

DEPARTMENT OF PSYCHOLOGY AND NEUROSCIENCE

Contact Information

Department of Psychology and Neuroscience

Visit Program Website (<http://psychology.unc.edu>)

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Introduction

In the undergraduate study of psychology, the emphasis is on a broad acquaintance with the behavioral sciences, not specialization. The subject matter is preparatory to a career in psychology either in basic research and teaching, or in any number of professional applications to various human problems. A psychology major may prove valuable to those planning other professional careers such as medicine, law, education, or business, as well as to those who seek a broad cultural background in the behavioral sciences.

Follow us on Twitter (@uncCHpsych) and Facebook (<http://facebook.com/uncCHpsychology>).

Advising

All psychology majors have a primary academic advisor in Steele Building. Students are strongly encouraged to meet regularly with their advisor and review their Tar Heel Tracker each semester. Several faculty members (for complete list, click here (<http://psychology.unc.edu/undergraduate-studies/academic-advising>)) are available to meet with current and prospective majors by appointment. Students who are considering graduate studies in psychology are particularly encouraged to contact departmental academic advisors. Additional information about courses, undergraduate research opportunities, the honors program, and the Psychology Club may be obtained from the department's Web site.

Graduate School and Career Opportunities

Both the B.A. and B.S. degree programs prepare students for entry into graduate programs in psychology and a large number of related areas.

Both programs, augmented by courses dictated by various graduate and professional schools, also provide training that has proved beneficial for those applying to business, law, and medical schools.

Undergraduate psychology majors seek and find employment in a wide range of occupations, and many continue their education and training in graduate school. Students should understand that many of the occupations traditionally associated with psychology (e.g., clinical psychologist) are licensed specialties that require graduate training.

Majors

- Neuroscience Major, B.S. (<http://catalog.unc.edu/undergraduate/programs-study/neuroscience-major-bs>)
- Psychology Major, B.A. (<http://catalog.unc.edu/undergraduate/programs-study/psychology-major-ba>)
- Psychology Major, B.S. (<http://catalog.unc.edu/undergraduate/programs-study/psychology-major-bs>)

Minors

- Cognitive Science Minor (<http://catalog.unc.edu/undergraduate/programs-study/cognitive-science-minor>)
- Neuroscience Minor (<http://catalog.unc.edu/undergraduate/programs-study/neuroscience-minor>)

Graduate Programs

- M.A. in Psychology (<http://catalog.unc.edu/graduate/schools-departments/psychology-neuroscience>)
- Ph.D. in Psychology (<http://catalog.unc.edu/graduate/schools-departments/psychology-neuroscience>)

Professors

Jonathan S. Abramowitz, Jennifer Arnold, Anna Bardone-Cone, Donald H. Baucom, Daniel J. Bauer, Kenneth A. Bollen, Regina M. Carelli, Patrick Curran, Stacey B. Daughters, Barbara L. Fredrickson, Karen M. Gil, Kelly Giovanello, Peter C. Gordon, Mark Hollins, Joseph Hopfinger, Andrea M. Hussong, Deborah J. Jones, Beth E. Kurtz-Costes, Donald T. Lysle, Neil Mulligan, Abigail T. Panter, B. Keith Payne, David Penn, Mitchell J. Prinstein, Paschal J. Sheeran, Todd Thiele, David M. Thissen, Eric A. Youngstrom.

Associate Professors

Sara B. Algoe, Charlotte A. Boettiger, Carol L. Cheatham, Shauna Cooper, Jean Louis Gariépy, Kurt J. Gray, Enrique W. Neblett.

Assistant Professors

Jessica Cohen, Sylvia Fitting, Kathleen M. Gates, Kristen A. Lindquist, Keely Muscatell, Kathryn J. Reissner, Margaret A. Sheridan, Eva Telzer.

Clinical Professors

Erica Wise, Jennifer K. Youngstrom.

Research Associate Professor

Montserrat N. Thiele.

Research Assistant Professor

Brooke Midkiff.

Teaching Professor

Jeannie Loeb.

Teaching Associate Professors

Viji Sathy, F. Charles Wiss.

Teaching Assistant Professors

Steven Buzinski, Vicki Chanon, Desiree Griffin, Patrick Harrison, Marsha Penner.

PSYC–Psychology

The courses available to undergraduate students are listed below. No courses numbered 700 or above may be taken by undergraduate students. Consult the current directory of classes for each semester's offerings. PSYC 101 is prerequisite to ALL courses offered in the department except for first-year seminars, which are numbered below 100. Students and their advisors should take careful note of the specified prerequisites for advanced offerings in this listing.

Undergraduate-level Courses

PSYC 50. First-Year Seminar: Stress Management. 3 Credits.

This course will address basic stress management skills; how to develop emotion-focused coping skills and how to use exercise, time management, and assertive communication skills to reduce stress.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 51. First-Year Seminar: The Mind and the Computer. 3 Credits.

This course will examine the nature of human thought in relation to the operations of contemporary computers and will also consider how computers will likely develop in the future.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 52. First-Year Seminar: Evolutionary Psychology. 3 Credits.

Students will gain an in-depth understanding of evolutionary psychology, a current amalgam of evolutionary biology, psychology, and anthropology that aims to view complex social and personality features of human behavior.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 53. First-Year Seminar: Talking about Numbers: Communicating Research Results to Others. 3 Credits.

This course introduces the many ways that research results are disseminated to the public in our everyday lives—through advertising and mass media, Internet, and research-based policy statements.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 54. First-Year Seminar: Families and Children. 3 Credits.

This course will consider family from a life-course perspective and family influences on child development. Research and theory concerning divorced and step families, single parents, gay and lesbian parents, and family processes that shape children's development will be examined.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 55. First-Year Seminar: Children's Eyewitness Testimony. 3 Credits.

The course will address relevant literature on children's memory and cognition involving allegations of child sexual abuse.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 58. First-Year Seminar: The Psychology of Mental States and Language Use. 3 Credits.

Examines how language use is affected by one's reasoning about the mental activities of others. We will examine the development of language, adult language use, and the language of autistic individuals, who are known to have difficulty reasoning about others' minds. This seminar will follow a discussion format.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 58H. First-Year Seminar: The Psychology of Mental States and Language Use. 3 Credits.

Examines how language use is affected by one's reasoning about the mental activities of others. We will examine the development of language, adult language use, and the language of autistic individuals, who are known to have difficulty reasoning about others' minds. This seminar will follow a discussion format.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 61. First-Year Seminar: Drug Addiction: Fact and Fiction. 3 Credits.

The course will tackle questions through classroom discussions, lectures, movies, writing assignments, and a visit to a research laboratory and a treatment facility. Students will be introduced to fundamental concepts in addiction research.

Gen Ed: PL, CI.

Grading status: Letter grade.

PSYC 61H. First-Year Seminar: Drug Addiction: Fact and Fiction. 3 Credits.

The course will tackle questions through classroom discussions, lectures, movies, writing assignments, and a visit to a research laboratory and a treatment facility. Students will be introduced to fundamental concepts in addiction research.

Gen Ed: PL, CI.

Grading status: Letter grade.

PSYC 62. First-Year Seminar: Positive Psychology: The Science of Optimal Human Functioning. 3 Credits.

This course invites students to explore the opportunities presented by the vibrant and emerging field of positive psychology.

Gen Ed: SS, CI.

Grading status: Letter grade.

PSYC 64. First-Year Seminar: Prejudice and Stereotyping. 3 Credits.

This course explores the psychological underpinnings of prejudice and discrimination.

Gen Ed: SS, CI, US.

Grading status: Letter grade.

PSYC 65. First-Year Seminar: Judgment and Decision Making in Everyday Life. 3 Credits.

This course focuses on understanding people's judgment and decision-making processes in everyday life. Students will draw upon other areas of psychology and other interdisciplinary approaches (e.g., economics, decision sciences).

Gen Ed: SS.

Grading status: Letter grade.

PSYC 66. First-Year Seminar: Eating Disorders and Body Image. 3 Credits.

Students will learn about anorexia and bulimia nervosa, as well as prevention and treatment efforts. The course explores factors related to these disorders and body image from a psychosocial perspective. Learning will occur through discussions, readings, videos, guest speakers, experimental assignments, writing assignments, and research projects.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 67. First-Year Seminar: The Senses of Animals. 3 Credits.

This course deals with the sensory systems of animals. A description of the human senses is included, but senses that differ from our own are emphasized. Some treatment of research methods is also included. Classes will be a mixture of lecture, discussion, and student reports.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 68. First-Year Seminar: Psychology of Emotion. 3 Credits.

This first-year seminar is designed for students interested in exploring the psychological study of emotion. Topics include theoretical models of emotion process and structure, as well as a review of research questions about emotional expressions, autonomic physiology, affective neuroscience, emotion and reasoning, and emotion and health.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 69. First-Year Seminar: Racism, Racial Identity, and African American Mental Health. 3 Credits.

This seminar examines the connections among racism experiences, racial identity, and mental health with a focus on African American children, adolescents, and young adults.

Gen Ed: SS, US.

Grading status: Letter grade.

PSYC 70. First-Year Seminar: Critical Thinking in Psychology and Beyond: How to Use Your Brain. 3 Credits.

This course focuses on the development of critical thinking skills. Students will learn about the scientific method and common thinking errors that impede logic. Emphasis is placed on applying critical thinking skills to beliefs and controversies in psychology and to common superstitions, pseudoscience, and other confusing issues of our time.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 71. First Year Seminar: Plasticity and the Brain. 3 Credits.

This course will introduce students to the recent research and debate regarding neural plasticity and the ability of the healthy adult brain to change. Exciting new research suggests that the ability of the adult brain to change goes well beyond simply acquiring new knowledge and memories.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 72. First-Year Seminar: Visualizing Women's Lives and Experiences. 3 Credits.

This seminar explores the experiences of women by integrating content and methodologies from psychology with perspectives on the depiction of women in the arts, namely digital media. Students will study gender socialization, body image, work/achievement, sex and romance, motherhood, aging, and mental health with attention given to diversity.

Gen Ed: SS, US.

Grading status: Letter grade

Same as: ARTS 72.

PSYC 89. First Year Seminar: Special Topics. 3 Credits.

Content varies by semester.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.

Grading status: Letter grade.

PSYC 89H. First Year Seminar: Special Topics. 3 Credits.

Content varies by semester.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.

Grading status: Letter grade.

PSYC 101. General Psychology. 3 Credits.

A survey of major principles of psychology and an introduction to scientific modes of thought about behavior. Students participate in ongoing psychological research in the department. PSYC 101 is a prerequisite for all psychology courses.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 175. Introduction to Neuroscience. 3 Credits.

Provides an introduction to the structure and function of the nervous system. Fundamental principles will be introduced including nervous system anatomy; molecular and cellular properties of the nervous system; sensory and motor systems; current methods used in neuroscience; and how the nervous system produces behavior and cognition. This course provides greater breadth and depth of neuroscience topics, as compared to Biopsychology (PSYC 220). Previously offered as PSYC 315.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 190. Special Topics in Psychology. 3 Credits.

An undergraduate seminar course that is designed to be a participatory intellectual adventure on an advanced, emergent, and stimulating topic within a selected discipline in psychology. This course does not count as credit towards the psychology major.

Grading status: Letter grade.

PSYC 210. Statistical Principles of Psychological Research. 4 Credits.

Consideration of the methodological principles underlying psychological research, descriptive and inferential techniques, and the manner by which they may be employed to design psychological experiments and analyze behavioral data. Three lecture hours and one laboratory hour a week.

Requisites: Prerequisite, PSYC 101.

Gen Ed: QI.

Grading status: Letter grade.

PSYC 210H. Statistical Principles of Psychological Research. 4 Credits.

Consideration of the methodological principles underlying psychological research, descriptive and inferential techniques, and the manner by which they may be employed to design psychological experiments and analyze behavioral data. Three lecture hours and one laboratory hour a week.

Requisites: Prerequisite, PSYC 101.

Gen Ed: QI.

Grading status: Letter grade.

PSYC 220. Biopsychology. 3 Credits.

Introductory course which surveys the biological bases of behavior. This course would be an appropriate foundational course for Introduction to Neuroscience (PSYC 175) and/or Advanced Biopsychology (PSYC 402).

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 220H. Biopsychology. 3 Credits.

Introductory course which surveys the biological bases of behavior. This course would be an appropriate foundational course for Introduction to Neuroscience (PSYC 175) and/or Advanced Biopsychology (PSYC 402).

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 222. Learning. 3 Credits.

Topics in Pavlovian and operant (instrumental) conditioning, learning theory, higher order cognitive learning, and application of those principles to mental-health related situations.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 222H. Learning. 3 Credits.

Topics in Pavlovian and operant (instrumental) conditioning, learning theory, higher order cognitive learning, and application of those principles to mental-health related situations.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 225. Sensation and Perception. 3 Credits.

Topics in vision, audition, and the lower senses. Receptor mechanisms, psychophysical methods, and selected perceptual phenomena will be discussed.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 225H. Sensation and Perception. 3 Credits.

Topics in vision, audition, and the lower senses. Receptor mechanisms, psychophysical methods, and selected perceptual phenomena will be discussed.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 230. Cognitive Psychology. 3 Credits.

Topics in attention; memory; visual, auditory, and other forms of information processing; decision making; and thinking.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 230H. Cognitive Psychology. 3 Credits.

Topics in attention; memory; visual, auditory, and other forms of information processing; decision making; and thinking.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 242. Introduction to Clinical Psychology. 3 Credits.

Overview of clinical psychology: history, scientific basis, and major activities and concerns, including assessment, psychotherapy and other psychological interventions, community psychology, ethics, and professional practice. Students may not receive credit for both PSYC 242 and 505.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 242H. Introduction to Clinical Psychology. 3 Credits.

Overview of clinical psychology: history, scientific basis, and major activities and concerns, including assessment, psychotherapy and other psychological interventions, community psychology, ethics, and professional practice. Students may not receive credit for both PSYC 242 and 505.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 245. Abnormal Psychology. 3 Credits.

Major forms of behavior disorders in children and adults, with an emphasis on description, causation, and treatment.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 245H. Abnormal Psychology. 3 Credits.

Major forms of behavior disorders in children and adults, with an emphasis on description, causation, and treatment.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 250. Child Development. 3 Credits.

Study of the development of social and intellectual behavior in normal children and the processes that underlie this development. Emphasis is typically on theory and research.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 250H. Child Development. 3 Credits.

Study of the development of social and intellectual behavior in normal children and the processes that underlie this development. Emphasis is typically on theory and research.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 260. Social Psychology. 3 Credits.

Introductory survey of experimental social psychology covering attitudes, interpersonal processes, and small groups.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 260H. Social Psychology. 3 Credits.

Introductory survey of experimental social psychology covering attitudes, interpersonal processes, and small groups.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 270. Laboratory Research in Psychology. 4 Credits.

This course will give students the opportunity to engage in psychological research by conducting a team-based research project. Students will also develop the skills required to critically evaluate research findings.

Requisites: Prerequisites, PSYC 101 and 210.

Gen Ed: PX, EE- Mentored Research.

Grading status: Letter grade.

PSYC 290. Current Topics in Psychology. 1-3 Credits.

Various special areas of psychological study, offered as needed. Course may be repeated for credit.

Requisites: Prerequisite, PSYC 101.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.

Grading status: Pass/Fail.

PSYC 290H. Current Topics in Psychology. 1-3 Credits.

Various special areas of psychological study, offered as needed. Course may be repeated for credit.

Requisites: Prerequisite, PSYC 101.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.

Grading status: Pass/Fail.

PSYC 294. Service Learning in Psychology: APPLES. 1-3 Credits.

Permission of the instructor. Service learning component for students enrolled in psychology APPLES courses. May not count toward the major.

Gen Ed: EE- Service Learning.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.

Grading status: Letter grade.

PSYC 310. Applied Statistical Methods in the Psychological Sciences. 3 Credits.

This course extends statistical and data analytic concepts covered in PSYC 210 with direct applications to empirical data commonly encountered in psychological research. Topics include measurement, group comparisons, linear associations, and prediction. An equal balance is placed on statistical concepts, computer-based data analysis, and interpretation of findings.

Requisites: Prerequisite, PSYC 210, SOCI 252, or STOR 155.

Gen Ed: SS, QI.

Grading status: Letter grade.

PSYC 320. Drugs and Human Behavior. 3 Credits.

This course will examine the use of drugs to alter behavior. Social implications of drug use and methods for preventing and treating drug abuse also will be considered.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 330. Introduction to Cognitive Science. 3 Credits.

Recommended preparation, PSYC 210 or another quantitative reasoning course. An introduction to the interdisciplinary study of the mind, intelligent behavior, information processing, and communication in living organisms and computers.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 390. Current Topics in Psychology. 1-3 Credits.

Various special areas of psychological study, offered as needed. Course may be repeated for credit.

Requisites: Prerequisite, PSYC 101.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.

Grading status: Letter grade.

PSYC 395. Independent Research. 1-3 Credits.

A minimum of a 3.0 cumulative grade point average. Permission of the instructor. Supervised research resulting in a written report. May be repeated for credit up to eight hours. Up to three hours may count as a psychology elective.

Requisites: Prerequisites, PSYC 101 and two additional psychology courses, at least one of which must be numbered 200 or greater.

Gen Ed: EE- Mentored Research.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 8 total credits. 6 total completions.

Grading status: Letter grade.

Advanced Undergraduate and Graduate-level Courses**PSYC 400. Conditioning and Learning. 3 Credits.**

A comprehensive survey of the methods, findings, and theories of classical and operant conditioning. Skills necessary to evaluate, integrate, and summarize significant original literature will be developed.

Requisites: Prerequisites, PSYC 101 and 222.

Gen Ed: PL.

Grading status: Letter grade

Same as: NBIO 400.

PSYC 401. Animal Behavior. 3 Credits.

PSYC 270 recommended. Ethological, genetic, and physiological variables will be studied in relation to their behavioral effects.

Requisites: Prerequisites, PSYC 101, and PSYC 222 or BIOL 101.

Gen Ed: PL.

Grading status: Letter grade

Same as: NBIO 401.

PSYC 402. Advanced Biopsychology. 3 Credits.

Elements of neurophysiology, neuroanatomy, and neurochemistry as they apply to the understanding of brain-behavior relationships.

Requisites: Prerequisites, PSYC 101 and 175 or 220.

Gen Ed: PX.

Grading status: Letter grade

Same as: NBIO 402.

PSYC 403. Advanced Biopsychology Laboratory. 3 Credits.

"Hands on" laboratory course designed to introduce students to experimental protocols emphasizing "brain-behavior" relationships.

Topics include gross neuroanatomy, stereotaxic surgery, and the effects of drugs on behavior.

Requisites: Prerequisites, PSYC 101 and one of PSYC 175, 220, or 402.

Gen Ed: PX, EE- Mentored Research.

Grading status: Letter grade.

PSYC 403H. Advanced Biopsychology Laboratory. 3 Credits.

"Hands on" laboratory course designed to introduce students to experimental protocols emphasizing "brain-behavior" relationships.

Topics include gross neuroanatomy, stereotaxic surgery, and the effects of drugs on behavior.

Requisites: Prerequisites, PSYC 101 and 220 or 402.

Gen Ed: PX, EE- Mentored Research.

Grading status: Letter grade.

PSYC 404. Clinical Psychopharmacology. 3 Credits.

This course will investigate the pharmacological effects and the clinical efficacy of drugs used to treat behavior disorders.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 415. History of Neuroscience. 3 Credits.

In this class, we will consider how neuroscience emerged as a multidisciplinary field. The class will cover key research findings that propelled the field forward. We will also delve into the autobiographies of some of the pioneering researchers who made these important discoveries.

Requisites: Prerequisite, PSYC 175 or 220.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 420. Functional Neuroanatomy. 3 Credits.

For advanced undergraduate and graduate students. An introduction to human neuroanatomy, covering function of the neuroanatomy of each major system and relation to neurobehavioral disorders associated with damage to the neuroanatomy of the system.

Requisites: Prerequisite, PSYC 175, 220, and BIOL 455.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 424. Neural Connections: Hands on Neuroscience. 3 Credits.

This class will explore links between the brain and behavior through neuroscience outreach activities. Students will also reflect on the meaning of community engagement. By the end of the semester, each student must complete a minimum of 30 hours of service within the community.

Requisites: Prerequisites, PSYC 175 or PSYC 220.

Gen Ed: PL, EE- Service Learning.

Grading status: Letter grade.

PSYC 425. Advanced Perceptual Processes. 3 Credits.

The perception of objects and events; the role of cognitive factors in perception.

Requisites: Prerequisites, PSYC 101 and one of PSYC 175, 220, 225, or 230.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 426. Molecular Mechanisms of Memory. 3 Credits.

This course focuses on current knowledge about the cellular and molecular basis of learning and memory. Course material focuses primarily on hippocampus-dependent memory, considering behavior, cellular physiology, and molecular and genetic contributions. In addition, we will consider learning and memory disorders, including Alzheimer's disease.

Requisites: Prerequisite, PSYC 175 or 220.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 427. Neurobiology of Aging. 3 Credits.

This course will survey clinical and experimental literature regarding the neurobiology of aging, considering different theories of aging, how aging is studied in the laboratory, and recent findings. Biochemical, molecular, physiological, and behavioral changes associated with both "normal" and pathological aging will be considered.

Requisites: Prerequisite, PSYC 175 or 220.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 428. Neuroscience, Society, and the Media. 3 Credits.

Neuroscience is a "hot" topic in popular media. We will consider media coverage of neuroscientific research by reading the popular press versions of studies alongside the findings from primary sources and what kinds of topics are most often covered by the media and why.

Requisites: Prerequisite, PSYC 175 or 220.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 429. Neuroeconomics and the Science of Consequence. 3 Credits.

This seminar covers current research on psychological, economic, and neuroscientific aspects of decision-making behaviors. Topics include decisions involving risk and uncertainty, decisions that involve learning from experience, and decisions in strategic interactions and games. In addition, we will consider the neural underpinnings of these processes.

Requisites: Prerequisite, PSYC 175 or 220.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 430. Human Memory. 3 Credits.

This course explores classic and current issues in the study of human memory. Topics include working memory, encoding and retrieval processes, implicit memory, reconstructive processes in memory, eyewitness memory, developmental changes in memory, neuropsychology and neuroscience of memory and memory disorders, memory improvement, and the repressed/recovered memory controversy.

Requisites: Prerequisites, PSYC 101, and 222 or 230.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 432. Psychology of Language. 3 Credits.

Recommended preparation, PSYC 230 or LING 101 or LING 400. This course examines the mental representations and cognitive processes that underlie the human ability to use language. Covers what people know about language, how they process it, and how people make inferences about the speaker's meaning based on context. Recent work in experimental psycholinguistics is discussed.

Requisites: Prerequisite, PSYC 101.

Grading status: Letter grade.

PSYC 433. Behavioral Decision Theory. 3 Credits.

Simple mathematical and psychological models of judgment and choice, and related experiments, are treated, as are applications to real world problems in medical, environmental, policy, business, and related domains.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 434. Cognitive Neuroscience. 3 Credits.

Introduction to cognitive neuroscience. Higher mental processes including attention, memory, language, and consciousness will be covered, with an emphasis on the neural mechanisms that form the substrates of human cognition.

Requisites: Prerequisites, PSYC 101 and 210; and one of PSYC 175, 220, 222, 225, 230 or BIOL 450, 455.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 437. Neurobiology of Learning and Memory. 3 Credits.

This course surveys current knowledge about and research into the neurobiological basis of learning and memory. Using a combination of lectures and student-led discussions, we will critically evaluate the molecular, cellular, systems, and behavioral research that strives to explain how the brain learns and remembers.

Requisites: Prerequisites, PSYC 101 and 175 or 220; BIOL 101 recommended.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 438. Research Topics in the Psychology of Language. 3 Credits.

(e.g., PSYC 432, any LING course, or any course with a substantial linguistics component). Examines the cognitive mechanisms behind language comprehension, focusing on how we make predictions about the speaker's meaning, based on context, background, gestures, and other cues. In this course-based undergraduate research experience (CURE), groups of students generate novel research questions, perform their own research experiments, and present the results in spoken and written format.

Requisites: Prerequisite, PSYC 270; required preparation, at least one course in linguistics (e.

Gen Ed: SS, CI, EE- Mentored Research.

Grading status: Letter grade.

PSYC 461. Cognitive Development. 3 Credits.

An examination of the development of attention, perception, learning, memory, and thinking in normal children.

Requisites: Prerequisites, PSYC 101 and 250.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 463. Development of Social Behavior and Personality. 3 Credits.

Developmental processes during early childhood as these relate to social behavior and personality.

Requisites: Prerequisites, PSYC 101 and 210.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 465. Poverty and Development. 3 Credits.

Poverty is one of the most consistent and influential risk factors for problematic development. This course focuses on the scientific study of how poverty affects development across the human life span.

Requisites: Prerequisites, PSYC 101 and 250.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 467. The Development of Black Children. 3 Credits.

PSYC 210 or 215 recommended. A survey of the literature on the development of black children. Topics include peer and social relations, self-esteem, identity development, cognitive development, school achievement, parenting, family management, and neighborhood influences.

Requisites: Prerequisites, PSYC 101 and 250.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 468. Family as a Context for Development. 3 Credits.

Explores how the family influences children's development. Topics include family theories, genetics, family structure (e.g., single parents, working mothers, divorce), discipline, parent behavior and values and beliefs, fathers and ethnic diversity.

Requisites: Prerequisites, PSYC 101, 210, and 250.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 469. Evolution and Development of Biobehavioral Systems. 3 Credits.

Examines the evolution and development of behavior patterns and their physiological substrates.

Requisites: Prerequisites, BIOL 101 and PSYC 101, 210, or 215.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 471. The Study of Adolescent Issues and Development. 3 Credits.

The developmental period of adolescence is studied from a multidisciplinary perspective. The course will distinguish among early, middle, and late adolescence and will cover several theoretical perspectives.

Requisites: Prerequisites, PSYC 101, 210, and 250.

Grading status: Letter grade.

PSYC 472. Racial Discrimination and Minority Youth. 3 Credits.

This course examines the effects of racial discrimination among African American, Latino, Asian American, and Native American adolescents using a psychological perspective to critically examine empirical research. The course examines racial discrimination, power, and equity and is recommended for students interested in serious, thought-provoking discussions.

Requisites: Prerequisites, PSYC 101, 210, 250, and 260.

Gen Ed: SS, US.

Grading status: Letter grade.

PSYC 490. Current Topics in Psychology. 3 Credits.

Various special areas of psychological study, offered as needed. Course may be repeated for credit.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 12 total credits. 2 total completions.

Grading status: Letter grade.

PSYC 490H. Current Topics in Psychology. 3 Credits.

Various special areas of psychological study, offered as needed. Course may be repeated for credit.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 12 total credits. 2 total completions.

Grading status: Letter grade.

PSYC 493. Internship in Psychology. 3 Credits.

Required preparation, minimum of two other psychology courses and junior/senior standing. Designed for highly motivated psychology majors interested in exploring professional opportunities in psychology-related areas. Students complete hands-on internships at community sites for approximately 120 hours across the semester. Students also attend a weekly one-hour class with other interns.

Requisites: Prerequisite, PSYC 101.

Gen Ed: EE- Academic Internship.

Grading status: Letter grade.

PSYC 500. Developmental Psychopathology. 3 Credits.

A survey of theories bearing on atypical development and disordered behavior, and an examination of major child and adolescent behavior problems and clinical syndromes.

Requisites: Prerequisites, PSYC 101, 245, and 250.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 501. Theoretical, Empirical Perspectives on Personality. 3 Credits.

An in-depth coverage of the traditional clinically based personality theories of the early 20th century contrasted with more recent empirically based perspectives.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 502. Psychology of Adulthood and Aging. 3 Credits.

A developmental approach to the study of adulthood, from young adulthood through death. Topics include adult issues in personality, family dynamics, work, leisure and retirement, biological and intellectual aspects of aging, dying, and bereavement.

Requisites: Prerequisites, PSYC 101 and 250.

Gen Ed: SS, EE- Service Learning.

Grading status: Letter grade.

PSYC 503. African American Psychology. 3 Credits.

This course examines race and culture in the psychological processes and behavior of African Americans.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS, US.

Grading status: Letter grade.

PSYC 504. Health Psychology. 3 Credits.

An in-depth coverage of psychological, biological, and social factors that may be involved with health.

Requisites: Prerequisites, PSYC 101 and 245.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 506. Assessment and Treatment of Older Persons. 3 Credits.

Addresses methods to assess, treat, and rehabilitate older person with serious mental health disorders.

Requisites: Prerequisites, PSYC 101 and 245.

Gen Ed: SS, EE- Service Learning.

Grading status: Letter grade.

PSYC 507. Autism. 3 Credits.

Intensive service-learning seminar on autism includes a supervised community placement. Topics include historical diagnostic issues, etiological theories, assessing patterns of functioning, developmental/life span issues, family concerns, and intervention approaches.

Requisites: Prerequisites, PSYC 101, 245, and 250.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 509. Applied Behavioral Analysis. 3 Credits.

PSYC 222 recommended. A survey of applications of learning theory in solving clinical, educational, and societal problems. Practicum experience included.

Requisites: Prerequisites, PSYC 101 and 245.

Gen Ed: SS, EE- Mentored Research.

Grading status: Letter grade.

PSYC 512. Popularity, Friendship, and Peer Relations. 3 Credits.

This course will review literature regarding peer relations among children and adolescents, including peer acceptance/rejection, popularity, bases of friendship selection, peer crowds, romantic relationships, and theories of peer influence.

Requisites: Prerequisite, PSYC 101.

Grading status: Letter grade.

PSYC 514. Mania and Depression. 3 Credits.

The social, developmental, and biological contributions to mania and depression are examined, as well as the impact of these moods on the brain, creativity, relationships, quality of life, and health.

Requisites: Prerequisites, PSYC 101 and 245.

Grading status: Letter grade.

PSYC 515. Psychological Approaches to Prevention Science. 3 Credits.

Permission of the instructor required. Prevention science is an interdisciplinary field between research and practice, with the goal of developing prevention programs for people's lives. Course will emphasize psychological approaches to preventing substance use as a motivating example. Discussions, lectures, a research project, and an experiential learning component.

Requisites: Prerequisite, PSYC 270.

Grading status: Letter grade.

PSYC 516. Child Maltreatment, Trauma, and Trauma-Focused Treatment. 3 Credits.

This course offers a multidisciplinary perspective on child maltreatment, including the types of maltreatment to which children are exposed, the prevalence of child maltreatment, and the impact of maltreatment on individual, familial, and societal functioning.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 517. Addiction. 3 Credits.

PSYC 245 and 270 recommended but not required. This course will provide students with a comprehensive overview of the etiology and treatment of addiction, along with exposure to real-life stories of addiction.

Requisites: Prerequisite, PSYC 101.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 525. Psychological Archival Data Science. 3 Credits.

This course addresses techniques in answering new questions with existing data. Students will learn about data from multiple perspectives: different data source and types, intended audiences, and visualization, analysis, and presentation formats. This will make students more savvy consumers as well as producers of data.

Requisites: Prerequisites, PSYC 270 and 245 or 500.

Gen Ed: CI, EE- Mentored Research, QI.

Grading status: Letter grade.

PSYC 530. Design and Interpretation of Psychological Research. 3 Credits.

Emphasis on the methodological principles underlying experimental and correlational research. Interaction of theory and practice in the design and interpretation of psychological studies. This is a course-based undergraduate research experience (CURE).

Requisites: Prerequisites, PSYC 101 and 270.

Gen Ed: PL, CI, QI.

Grading status: Letter grade.

PSYC 531. Tests and Measurement. 3 Credits.

Basic psychometric theory underlying test construction and utilization. Detailed study of issues and instruments used in assessing intellectual functioning, educational progress, personality, and personnel selection.

Requisites: Prerequisites, PSYC 101 and 210.

Gen Ed: SS, QI.

Grading status: Letter grade.

PSYC 532. Quantitative Psychology. 3 Credits.

This course examines the science of quantitative psychology. Topics include the analysis of data, the design of questionnaires, and the assessment of psychological attributes, among others.

Requisites: Prerequisite, PSYC 210, SOCI 252, or STOR 155.

Grading status: Letter grade.

PSYC 532H. Quantitative Psychology. 3 Credits.

This course examines the science of quantitative psychology. Topics include the analysis of data, the design of questionnaires, and the assessment of psychological attributes, among others.

Requisites: Prerequisite, PSYC 210 or 215 or SOCI 252 or STOR 155.

Grading status: Letter grade.

PSYC 533. The General Linear Model in Psychology. 3 Credits.

Consideration of multiple regression and the general linear model in psychological research, including hypothesis testing, model formulation, and the analysis of observational and experimental data.

Requisites: Prerequisite, ECON 400 or PSYC 210 or SOCI 252 or STOR 155.

Grading status: Letter grade.

PSYC 533H. The General Linear Model in Psychology. 3 Credits.

Consideration of multiple regression and the general linear model in psychological research, including hypothesis testing, model formulation, and the analysis of observational and experimental data.

Requisites: Prerequisite, ECON 400 or PSYC 210 or SOCI 252 or STOR 155.

Grading status: Letter grade.

PSYC 534. Introduction to Computational Statistics. 3 Credits.

Introduction to programming and the implementation of statistical techniques. Topics include data manipulation, graphical procedures, writing loops and functions, data simulation, use of regular expressions, and scraping data from the web.

Requisites: Prerequisite, PSYC 210, 215, SOCI 252, or STOR 155.

Gen Ed: PL, QI.

Grading status: Letter grade.

PSYC 560. Self and Society. 3 Credits.

PSYC 270 recommended. Content, structure, and functions of the self-concept. How the self-concept is shaped by society and developmental processes; ways in which the self-concept affects perception of others; self-esteem. Class participation and presentations required.

Requisites: Prerequisites, PSYC 101, 210, and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 561. Social Cognition. 3 Credits.

Theory and research in social psychology, which explores the cognitive processes underlying social phenomena. Specific topics covered include attributions, emotions, automaticity, heuristics, self, goals, stereotyping, expectancies, social motives, and others.

Requisites: Prerequisites, PSYC 101, 210, and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 561H. Social Cognition. 3 Credits.

Theory and research in social psychology, which explores the cognitive processes underlying social phenomena. Specific topics covered include attributions, emotions, automaticity, heuristics, self, goals, stereotyping, expectancies, social motives, and others.

Requisites: Prerequisites, PSYC 101, 210, and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 563. Small Groups. 3 Credits.

Intensive survey of research and theory on behavior in small groups combined with appropriate experience in studying various structured groups.

Requisites: Prerequisites, PSYC 101, 210 and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 564. Interpersonal Processes. 3 Credits.

Intensive coverage of normal interpersonal processes, focusing on the dyad.

Requisites: Prerequisites, PSYC 101, 210, and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 565. Stereotyping, Prejudice, and Discrimination. 3 Credits.

PSYC 270 recommended. Examines the determinants, functions, processes, and consequences of stereotyping, prejudice, and discrimination. Prospects for change are considered. Class presentations and participation required.

Requisites: Prerequisites, PSYC 101, 210, and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 566. Attitude Change. 3 Credits.

A detailed consideration of the theoretical issues in attitude and belief change.

Requisites: Prerequisites, PSYC 101, 210, and 260.

Grading status: Letter grade.

PSYC 567. Research in Positive Psychology. 3 Credits.

Majors only. This advanced course in positive psychology is research intensive and intended as a capstone for majors in psychology.

Requisites: Prerequisites, PSYC 101, 210, and 270.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 568. Emotion. 3 Credits.

This course will provide a comprehensive overview of the scientific study of emotion. Topics will include theoretical models of emotion process and structure. A range of perspectives, including social, cultural, developmental, clinical, and cognitive psychology, as well as behavioral neuroscience, will be considered.

Requisites: Prerequisite, PSYC 101.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 569. Practical Wisdom from Advanced Social Psychology. 3 Credits.

Surveys cutting-edge research across the field of social psychology and how it matters for everyday life. Topics include morality, mind perception, judgment and decision making, happiness, affective forecasting, emotion, relationships, negotiation, personality, free will, stress/health, and religion. Clear communication of research also emphasized through figures, presentations, and papers.

Requisites: Prerequisites, PSYC 101, 260, and 270.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 570. The Social Psychology of Self-Regulation. 3 Credits.

PSYC 270 recommended. An intensive review of self-regulation theory and research, focusing on the cognitive, motivational, and affective processes involved in goal commitment, monitoring, and overriding behavioral responses.

Requisites: Prerequisites, PSYC 101, 210, and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 571. Social Neuroscience. 3 Credits.

Recommended preparation, PSYC 220 or 315. Social neuroscience is the study of how social processes and experiences are represented in and influence the structure and function of the brain. This course will focus primarily on functional magnetic resonance imaging (fMRI) studies of humans, though we will also discuss other brain imaging techniques and patient studies.

Requisites: Prerequisite, PSYC 101 and 260.

Gen Ed: PL.

Grading status: Letter grade.

PSYC 572. Theoretical and Empirical Perspectives on Sex and Gender Differences. 3 Credits.

An in-depth examination of psychological research and theory pertaining to the influence of gender on the lives of men and women. In general, emphasis will be placed on understanding gender as a social psychological construct.

Requisites: Prerequisites, PSYC 101 and 260.

Gen Ed: SS.

Grading status: Letter grade.

PSYC 600. Historical Trends in Psychology. 3 Credits.

Limited to senior majors or to graduate students in psychology; others by permission of the instructor. Overview of the origins of psychological concepts, movements, and fields of study.

Requisites: Prerequisite, PSYC 101.

Grading status: Letter grade.

PSYC 601. Psychology and Law. 3 Credits.

Examines the legal system from the perspective of psychology methods and research, with a focus on criminal law. Discusses dilemmas within the law and between the legal system and psychology.

Requisites: Prerequisites, PSYC 101 and 210.

Grading status: Letter grade.

PSYC 602. Evolutionary Psychology. 3 Credits.

Major topics of general psychology are examined from an evolutionary perspective with an emphasis on empirical studies asking why much current human behavior and experience would have been adaptive for our early ancestors.

Requisites: Prerequisite, PSYC 101.

Grading status: Letter grade.

PSYC 693H. Honors in Psychology I. 3 Credits.

Required preparation, cumulative GPA of 3.3, psychology GPA of 3.5, one semester of PSYC 395, and acceptance through application to the honors committee. To be taken in the fall of the last year of studies as the first course in the two-semester honors sequence. Students conduct research under the direction of a faculty advisor and receive classroom instruction in research-related topics.

Gen Ed: SS, CI, EE- Mentored Research.

Grading status: Letter grade.

PSYC 694H. Honors in Psychology II. 3 Credits.

Admission to the psychology honors program required. To be taken as the second course in the two-semester honors sequence. Students conduct research under the direction of a faculty advisor and receive classroom instruction in research-related topics.

Requisites: Prerequisite, PSYC 693H.

Gen Ed: SS, CI, EE- Mentored Research.

Grading status: Letter grade.