

PSYCHOLOGY (PSYC)

Courses

PSYC 1001 (3) General Psychology

Provides a foundation for engaging with scientific research on human behavior, and surveys the basic principles and theories of psychology. Topics include biological and hereditary influences on behavior; human perception, attention, learning, and memory; social influences; personality; psychiatric disorders and treatments.

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences
MAPS Course: Social Science

PSYC 2012 (3) Biological Psychology

Surveys biological bases of learning, motivation, emotion, sensory processes and perception, movement, comparative animal behavior, sexual and reproductive activity, instinctual behavior, neurobiology of language and thought, and neurophysiology and neuroanatomy in relation to behavior.

Requisites: Requires prerequisite PSYC 1001 (minimum grade C-).

Additional Information: GT Pathways: GT-SC2 -Natural Physicl Sci:Lec Crse w/o Req Lab
Arts Sci Core Curr: Natural Science Non-Sequence
Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 2111 (4) Psychological Science I: Statistics

Three hours of lecture and one two-hour lab per week. Introduces descriptive and inferential statistics and their roles in psychological research. Topics include correlation, regression, T-test, analysis of variance and selected nonparametric statistics.

Requisites: Requires prerequisite course of MATH 1011 or MATH 1150 or MATH 1212 or MATH 1300 or ECON 1078 or ECON 1088 (all minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sci Lab
Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 2145 (3) Introductory Cognitive Psychology

Introduces the study of human cognitive processes and covers perception, attention, memory, language, problem solving, reasoning, and decision making. Focuses on basic research and theory in cognitive psychology but also considers their implications for everyday applications such as effective learning and retention, multitasking, and eyewitness testimony.

Requisites: Requires a prerequisite course of PSYC 1001 (minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 2606 (3) Social Psychology

Covers general psychological principles underlying social behavior. Analyzes major social psychological theories, methods, and topics, including attitudes, conformity, aggression, attraction, social perception, helping behavior, and group relations.

Requisites: Requires a prerequisite course of PSYC 1001 (minimum grade C-).

Additional Information: GT Pathways: GT-SS3 -Soc Behav Sci:Hmn Behav, Cult, Soc Frame
Arts Sci Core Curr: Contemporary Societies
Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 2700 (3) Psychology of Gender and Sexuality

Examines psychological research on gender and sexuality as they intersect with race, class and other social categories. Points of emphasis include differences in cognition, attitudes, personality and social behavior. Conceptual themes include research methodologies, implicit and explicit attitudes, stigma and stereotypes. These elucidate such areas as close relationships, leadership, career success and mental health and happiness.

Equivalent - Duplicate Degree Credit Not Granted: WGST 2700

Requisites: Requires a prerequisite course of PSYC 1001 or WGST 2000 (minimum grade C-).

Additional Information: Arts Sci Core Curr: Human Diversity
Arts Sci Gen Ed: Distribution-Social Sciences
Arts Sci Gen Ed: Diversity-U.S. Perspective

PSYC 3001 (4) Honors Research Methods Seminar

Focuses on research design. Each student prepares an original, detailed research proposal, which can become the honors thesis. Open only to students who have been accepted into the psychology departmental honors program. Instructor consent required.

Additional Information: Arts Sciences Honors Course

PSYC 3005 (3) Cognitive Science

Provides an introductory survey of influential models, theoretical approaches, and methods of cognitive science. Emphasizes and explains the convergence by work in multiple fields - including psychology and neuroscience, linguistics, computer science, and philosophy - on the idea that mental activity is a form of computation. Students from diverse backgrounds are introduced to a wide range of methods and approaches, including behavioral and neuroimaging experimental approaches, computational modeling and philosophical work. Department enforced prerequisites: two of the following CSCI 1300 or LING 2000 or PSYC 2145.

Equivalent - Duplicate Degree Credit Not Granted: CSCI 3702 and LING 3005 and PHIL 3310 and SLHS 3003

Additional Information: Arts Sci Gen Ed: Distribution-Arts Humanities
Arts Sci Gen Ed: Distribution-Natural Sciences
Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 3102 (3) Behavioral Genetics

This course introduces the basic principles of behavior genetics, the field of study that is interested in evaluating the different forces that shape individual differences. More specifically, the course will survey the evidence for genetic and environmental influences on a broad range of human behaviors, including psychopathology, personality, cognition, and substance use. This course also covers the different methods for evaluating these genetic and environmental contributions, including family-based designs that compare similarities across siblings, twins, and parents and their children, animal models of human behavior, and more recent genomic methods that measure our DNA. Lectures are largely about conceptually understanding findings from this field and the corresponding methods used to produce these findings. This course does not require a strong statistical or biological background to be successful or understand the material.

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 3111 (4) Psychological Science 2: Research Methods in Psychology

Provides a foundation in research methodology to give students the ability to design, conduct, analyze, and present (both verbally and in writing) an empirical study in psychology. Allows students to be effective producers and consumers of research.

Requisites: Requires prerequisite courses of PSYC 1001 and PSYC 2111 (minimum grade C-).

Grading Basis: Letter Grade

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 3131 (3) Human Emotion

Introduces students to a diverse array of theoretical and empirical issues related to the study of human emotion. Evolutionary theories of anger, love and disgust; emotion and morality; cultural and gender differences; emotion and the brain; relation between emotion and thinking; development of emotion; and abnormal emotions in mental illness.

Requisites: Requires a prerequisite course of PSYC 1001 (minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 3303 (3) Clinical Psychology: Psychological Disorders

Examines etiological, theoretical, clinical, diagnostic, and experimental perspectives of major mental health disorders, with an emphasis on the main symptoms and diagnostic criteria associated with these disorders.

Requisites: Requires a prerequisite course of PSYC 1001 (minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 3456 (3) Psychology of Personality

Offers a psychological study of structure, organization and development of the person as a whole. Analysis of major theories, methods and research, including topics such as emotion, motivation, temperament, inner experience, identity and the self, personality change and the influence of sociocultural context.

Requisites: Requires a prerequisite course of PSYC 1001 (minimum grade C-). Restricted to students with 57-180 credits (Juniors or Seniors).

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 3511 (3) History of Psychology

Includes outline of development of psychological theories since the Greek philosophers, the story of experimental psychology and its problems, and schools of psychological thinking. Students read original sources in English and English translations. Formerly PSYC 4511.

Requisites: Requires a prerequisite course of PSYC 1001 (minimum grade C-). Restricted to students with 57-180 credits (Juniors or Seniors).

Additional Information: Arts Sci Gen Ed: Distribution-Arts Humanities

PSYC 3684 (3) Developmental Psychology

In-depth consideration of human developmental processes across the life span. Includes coverage of the major topics in human development, such as physical, cognitive, social, emotional, and moral development.

Requisites: Requires prerequisite of PSYC 1001 (minimum grade C-). Restricted to students with 57-180 credits (Juniors or Seniors).

Recommended: Prerequisites PSYC 2111 and PSYC 3111 (Both require minimum grade of C-).

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences
Departmental Category: Developmental

PSYC 4001 (3) Honors Seminar 2

Surveys contemporary issues, explores current controversies, and examines in detail selected topics in psychology. Open to juniors and seniors pursuing departmental honors.

Additional Information: Arts Sciences Honors Course

PSYC 4011 (1-3) Senior Thesis

Critically reviews some aspect of psychological literature, scholarly analysis of a major psychological issue, and/or empirical research project. See the psychology honors director for further information.

Additional Information: Departmental Category: General

PSYC 4021 (3) Psychology and Neuroscience of Exercise

Explores social, cognitive, psychobiological and behavioral aspects of exercise and other forms of physical activity. Examines how psychological and neuroscience research have been used to study how participation in regular physical activity affects mental health and how psychological and other variables influence participation in, adherence to, enjoyment of, and consequences of exercise and physical activity.

Requisites: Requires a prerequisite course of PSYC 2012 or NRSC 2100 or NRSC 2125 (minimum grade C-). Restricted to students with 57-180 credits (Juniors or Seniors).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4031 (3) Sport Psychology

Explores the role psychological factors play in the participation in, performance in, and enjoyment of sport. Topics include the role of motivation, attention, arousal, psychological skills training, leadership, and teamwork in sport performance; the psychological variables influencing exercise addiction, overtraining, burnout, body image, and susceptibility to, and recovery from, athletic injuries; and competition, cooperation aggression, and moral behavior in sport.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences
Departmental Category: General

PSYC 4101 (3) Honors Thesis 1

Completing an Honors Thesis under the direction of the course instructor will be the focus of this course. Students will each conduct an original, empirical research project, including developing the research idea, collecting and analyzing data, and writing their thesis, as well as practice their oral defense. Students will additionally acquire applied experience in research methods, statistics, and data analysis.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Requires prerequisite courses of PSYC 2111 and PSYC 3111 (minimum grade C-). Restricted to students with 3.3 GPA or higher.

Grading Basis: Letter Grade

PSYC 4114 (3) Adolescent Development and Learning for Teachers

Examines current theory and research about adolescent learning and development and explore implications for secondary teaching. Topics include human diversity as a resource for learning, adversity and agency, connecting instruction to students' everyday lives, and the role of belonging and relationships in positive youth development. This course is appropriate for masters degree students.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4136 (4) Judgment and Decision Making

Introduces the study of judgment and decision making processes (estimation, prediction and diagnosis, choice under certainty, and risky decision making) and the methods that have been developed to improve these processes (statistical modeling, decision analysis, and expert systems).

Requisites: Requires prerequisite courses of PSYC 1001 and PSYC 2606 and PSYC 2111 and PSYC 3111 (all minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4142 (3) Brain Injury, Plasticity and Recovery: From Neuron to Behavior

Traumatic brain injury is prevalent in all aspects of society, with incidence rates varying according to age, gender, military affiliation and participation in certain sports. Delves into the full spectrum of consequences following injury, beginning with the individual neural cells in the brain through to the behaving individual. Covers strategies to improve functional recovery.

Requisites: Requires a prerequisite course of PSYC 2012 or NRSC 2100 or NRSC 2125 (minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) majors only.

Recommended: Prerequisite NRSC 4132.

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4145 (4) Advanced Cognitive Psychology

Advanced course in human cognitive processes. Covers key aspects of cognition, such as perception, attention, learning, memory, language and thinking. Discusses major theories and ideas in terms of the research they have inspired. Emphasis varies with instructor. One lab per week and a research project is required.

Equivalent - Duplicate Degree Credit Not Granted: PSYC 5145

Requisites: Requires prerequisite courses of PSYC 1001 and PSYC 2145 and PSYC 2111 and PSYC 3111 (all minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4152 (4) Research Methods in Behavioral Genetics

Analyze your own genome in this advanced course in behavioral genetics! Students will learn modern genomic analytic techniques by analyzing millions of single nucleotide polymorphisms across their own or a test genome (students' choice) and interpret results as they apply to complex traits, health conditions, ancestry, and relatedness. Students will also review primary-source research and reviews. Students learn and apply their analytic skills in laboratory practicals and demonstrate applied and theoretical knowledge in a cumulative paper.

Requisites: Requires prerequisite courses of PSYC 3111 and (EBIO 2070 or MCDB 2150 or PSYC 3102) (all minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sci Lab
Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4155 (4) Cognitive Neuroscience/Neuropsychology

Introduction to cognitive neuroscience and neuropsychology. Provides a survey of the neuropsychological underpinnings for a wide range of cognitive functions: vision, object recognition, attention, language, memory and executive function. One lab per week.

Equivalent - Duplicate Degree Credit Not Granted: NRSC 4155

Requisites: Requires a prerequisite course of PSYC 2111 and PSYC 3111 and (PSYC 2012 or NRSC 2100 or (NRSC 2125 and NRSC 2150)) (all minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sci Lab
Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4165 (4) Psychology of Perception

One lab, three lect. per week. Analyzes peripheral and central mechanisms involved in the transduction and interpretation of experience. Gives special attention to vision and audition; major theories in these areas are discussed in terms of research they have inspired.

Requisites: Requires a prerequisite course of PSYC 1001 and PSYC 2111 and PSYC 3111 (all minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sci Lab
Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4175 (4) Computational Cognitive Neuroscience

Introduction to cognitive neuroscience (how the brain gives rise to thought) using computer simulations based on the neural networks of the brain. Covers a full range of cognitive phenomena including perception and attention, learning and memory, language, and higher-level cognition based on both large-scale cortical neuroanatomy and detailed properties of cortical neural networks. One lab per week.

Equivalent - Duplicate Degree Credit Not Granted: PSYC 5175

Requisites: Requires prereq of PSYC 1001 and (PSYC 2012 or NRSC 2100 or NRSC 2125) and PSYC 2111 and PSYC 3111 (minimum grade of C-). Restricted to PSYC or NRSC majors.

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sci Lab
Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4201 (3) Honors Thesis 2

Completing an Honors Thesis under the direction of the instructor will be the focus of this course. Students will each conduct an original, empirical research project, including developing the research idea, collecting and analyzing data, and writing their thesis, as well as practice their oral defense. Students will additionally acquire applied experience in research methods, statistics and data analysis.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Requires prerequisite courses of PSYC 2111 and PSYC 3111 (minimum grade C-). Restricted to students with GPA of 3.3 or higher.

Grading Basis: Letter Grade

PSYC 4220 (3) Language and Mind

Studies topics such as speech perception, word recognition, sentence comprehension, language acquisition, bilingualism, reading and writing. Examines the role of language as a product and producer of the mind, studying interactions between language and cognition from an interdisciplinary perspective. Students will become familiar with the methods of psycholinguistics and design and conduct a psycholinguistic experiment on their own.

Equivalent - Duplicate Degree Credit Not Granted: LING 4220

Recommended: Prerequisites PSYC 1001 and LING 2000.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4225 (4) Interdisciplinary Research Methods in Child Language Acquisition

Explores fundamental issues in language acquisition cross-culturally, combining methods from Linguistics, Anthropology, Psychology and Computer Science. Students will explore theoretical issue using a hands-on approach that involves acquiring skills such as designing and conducting experiments, investigating corpus data, and computational modeling.

Equivalent - Duplicate Degree Credit Not Granted: LING 4225

Requisites: Requires a prerequisite course of PSYC 1001 or LING 2000 (minimum grade C).

Grading Basis: Letter Grade

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4263 (3) Psychological Treatment: An Evidence-Based Approach

Provides an intensive introduction to behavioral interventions for common mental health problems and the framework of evidence-based practice in psychology, including helping students to acquire, critically evaluate and communicate about clinical psychological science intervention research and become familiar with applied skills that are relevant to a broad range of clinical settings.

Requisites: Requires prerequisite courses of PSYC 2111 and PSYC 3111 and PSYC 3303 (all minimum grade C-)

Grading Basis: Letter Grade

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4332 (1) Found in Translation: TBI From Bench to Bedside to Community

Traumatic Brain Injury (TBI) is prevalent in all aspects of society. Delves into all aspects of TBI, with particular emphasis on translational clinical neuroscience. That is, the movement of knowledge from bench, to bedside, to community. All of this knowledge resulting in better treatment of and outcome for those with TBI.

Requisites: Requires prerequisite courses of PSYC 2012 or NRSC 2100 or NRSC 2125 (minimum grade C-). Restricted to students with 57-180 units (Juniors or Seniors).

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4376 (4) Research Methods in Social Psychology

Introduces the study of social psychological processes, emphasizing the social cognition perspective (e.g., stereotyping, person perception, theory of planned behavior) and the methods utilized in studying these processes. Students will complete research projects as part of the course.

Requisites: Requires prerequisite courses of PSYC 2606 and PSYC 2111 and PSYC 3111 (all minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4443 (4) Research Methods in Clinical Psychology

Learn to evaluate research methods as they relate to etiology, assessment, and intervention of psychological disorders. Emphasizes the importance of using sound methodological strategies in both research and clinical settings.

Requisites: Requires prerequisite courses of PSYC 2111 and PSYC 3111 and PSYC 3303 (all minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) only.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4526 (3) Social Neuroscience

Develops greater knowledge of the general psychological principles underlying social behavior by using methods and theories from neuroscience. Students learn about common methods in human neuroscience and how they can be applied to better understand social behavior.

Requisites: Requires prerequisite courses of (PSYC 2012 or NRSC 2100 or NRSC 2125) and PSYC 2111 and PSYC 2606 and PSYC 3111 (all minimum grade C-). Restricted to students with 57-180 credits (junior or senior) Psychology (PSYC) or Neuroscience (NRSC) majors only.

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences
Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4541 (3) Special Topics in Psychology - Social Science

Examines individual or social dimensions of human behavior. Students will develop expertise in basic theories, as well as in measurement techniques and data interpretation regarding issues of societal significance. Students will consider applications of that knowledge, ranging from the development of new theory to solving problems. Particular section content is determined by instructor. PSYC 4541 and/or PSYC 4551 may be taken 3 times with different topics, for a total of 9 credits

Repeatable: Repeatable for up to 9.00 total credit hours. Allows multiple enrollment in term.

Requisites: Requires prerequisite courses of PSYC 1001 and PSYC 2111 and PSYC 3111 (all minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

PSYC 4543 (3) Clinical Neuropsychological Disorders

Neuropsychological disorders are behavioral and cognitive expressions of underlying brain diseases or injury. The course will provide in-depth coverage from clinical perspectives of wide range of disorders caused by stroke, traumatic brain injury, degenerative diseases, and inflammatory diseases. Students will learn the various neurologic, neuroimaging and neuropsychological methods for assessing and diagnosing these disorders and will review specific illustrative cases.

Requisites: Requires prerequisite PSYC 1001 and (PSYC 2012 or NRSC 2100 or NRSC 2125) (all minimum grade C-). Restricted to students with 27-180 credits (Sophomores, Juniors or Seniors) only.

Additional Information: Arts Sci Gen Ed: Distribution-Natural Sciences

PSYC 4553 (3) Women's Mental Health: A Biopsychosocial Approach

Provides a broad overview of current research and theory related to women's mental health, emphasizing topics and problems that are prevalent among or particularly relevant to women. Teaches students to develop a critical and integrative understanding women's mental health, including historical, social, cultural, biological, behavioral, cognitive and emotional factors.

Requisites: Requires a prerequisite course of PSYC 3303 (minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4560 (3) Language Development

Covers the development of language in childhood and into adult life, emphasizing the role of environment and biological endowment in learning to communicate with words, sentences, and narratives.

Equivalent - Duplicate Degree Credit Not Granted: LING 4560 and SLHS 4560

Requisites: Restricted to Psychology (PSYC) or Neuroscience (NRSC) majors only.

Recommended: Prerequisite PSYC 1001 and LING 2000.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4606 (3) Advanced Topics in Social Psychology

In-depth study of selected topics in social psychology. Particular section content each semester is determined by the instructor. May be repeated for a maximum of 6 credit hours, provided the topics vary.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Requires prerequisite courses of PSYC 1001 and PSYC 2606 and PSYC 2111 and PSYC 3111 (minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4713 (3) Survey of Clinical Psychology

Covers theories and practices relating to problems of ability and maladjustment. Diagnostic procedures and treatment methods with children and adults.

Requisites: Requires a prerequisite course of PSYC 3303 (minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4733 (4) Psychological Testing and Assessment

Provides an overview of issues central to testing and assessment of psychological constructs, including types of evaluation instruments currently in use in the field, their applications and design.

Requisites: Requires prerequisite courses of PSYC 1001 and PSYC 2111 and 3111 (all minimum grade C-).

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4744 (4) Methods in Developmental Psychology

Learn to critically read and form hypotheses from studies in the developmental literature, gain hands-on experience in testing children and in the design of methods to test children, evaluate experimental data and relate them to hypotheses, previous results and theory, and write so others can understand.

Requisites: Requires prerequisite courses of PSYC 1001 and PSYC 2111 and PSYC 3111 and PSYC 3684 (all minimum grade C-). Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

Grading Basis: Letter Grade

Additional Information: Arts Sci Gen Ed: Distribution-Social Sciences

PSYC 4841 (1-6) Independent Study (Upper Division)

Repeatable: Repeatable for up to 8.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to students with 57-180 credits (Junior or Senior) Psychology (PSYC) majors only.

PSYC 4911 (3) Teaching of Psychology

Students receive concrete experience in teaching general psychology under supervision of a psychology faculty member. Alternative pedagogical strategies are discussed. Students must submit an application to the undergraduate advising center.

Additional Information: Departmental Category: General

PSYC 4931 (1-6) Field Placement Internship

Offers valuable volunteer experience through a supervised field placement. Provides hands-on insight into the decisions and issues that confront professionals in psychology and related fields.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Psychology (PSYC) majors only.

Recommended: Prerequisite completion of 15 or more hours of psychology course work.

Additional Information: Departmental Category: General

PSYC 5052 (4) Behavioral Neuroscience

This advanced course the anatomy and physiology of the central nervous system in detail, and applies that understanding to the visual, auditory, and sensorimotor systems, demonstrating how the anatomy and physiology of the nervous system can be used to explain behavior. The laboratory uses live animals and computer simulations.

Equivalent - Duplicate Degree Credit Not Granted: PSYC 4052 and NRSC 4052 and NRSC 5052

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Biological

PSYC 5082 (2-3) Seminar: Biological Psychology

Special topics concerning biological bases of behavior.

Repeatable: Repeatable for up to 3.00 total credit hours.

Requisites: Requires a prerequisite course of PSYC 4052 (minimum grade D-). Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Biological

PSYC 5102 (3) Introduction to Behavioral Genetics

Provides introduction to basic principles of genetics in the study of behavior, methods used to examine the influences of genes and environment on behavior and interpretation of studies using these methods.

Requisites: Restricted to Behavioral, Psychiatric and Statistical Genetics PhD students.

Additional Information: Departmental Category: Biological

PSYC 5112 (2-3) Concepts in Behavioral Genetics

Examines selected topics in greater detail than is possible in the graduate introductory course in behavioral genetics (PSYC 5102). Topics covered may include inheritance of behavioral characteristics from perspectives of pharmacogenetics, transmission genetics, biochemical genetics, and evolutionary genetics, as well as scientific integrity and the responsible conduct of behavioral genetic research.

Repeatable: Repeatable for up to 9.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Behavioral, Psychiatric and Statistical Genetics PhD students.

Additional Information: Departmental Category: Biological

PSYC 5122 (3) Quantitative Genetics

Surveys principles of genetics of quantitative characteristics. Topics include gene frequencies, effects of mutation, migration, and selection. Also looks at correlations among relatives, heritability, inbreeding, crossbreeding, and selective breeding.

Requisites: Restricted to Behavioral, Psychiatric and Statistical Genetics PhD students.

Additional Information: Departmental Category: Biological

PSYC 5131 (3) Affective Science

Core graduate course on affective science and fulfills APA Cognitive and Affective Aspects of Behavior Requirement. Introduces students to a diverse array of theoretical and empirical issues related to the study of human emotion. Evolutionary theories of emotions; cognitive and behavioral aspects of emotion; neurobiological mechanisms; development of emotion; and psychopathology and emotion.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: General

PSYC 5145 (4) Advanced Cognitive Psychology

Advanced course in human cognitive processes. Covers key aspects of cognition, such as perception, attention, learning, memory, language and thinking. Discusses major theories and ideas in terms of the research they have inspired. Emphasis varies with instructor. One lab per week and a research project is required.

Equivalent - Duplicate Degree Credit Not Granted: PSYC 4145

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 5175 (4) Computational Cognitive Neuroscience

Introduction to cognitive neuroscience (how the brain gives rise to thought) using computer simulations based on the neural networks of the brain. Covers a full range of cognitive phenomena including perception and attention, learning and memory, language, and higher-level cognition based on both large-scale cortical neuroanatomy and detailed properties of cortical neural networks. One lab per week.

Equivalent - Duplicate Degree Credit Not Granted: PSYC 4175

Requisites: Restricted to graduate students only.

Additional Information: Departmental Category: Experimental

PSYC 5200 (3) Physiological Genetics and Genomics

Covers fundamental concepts in molecular genetics/genomics with physiological applications. Topics include structure and function of nucleic acids, genome structure, genetic and genomic research tools, methods for identifying disease-causing mutations, regulation of gene expression, pharmacogenetics, gene therapy and ethical issues in modern genomics. First course of a 3-course series recommended for IBG students. Includes a recitation section.

Equivalent - Duplicate Degree Credit Not Granted: IPHY 4200 and IPHY 5200

Requisites: Restricted to Integrative Physiology (IPHY or C-IPHY) or Psychology (PSYC) graduate students only.

Additional Information: Departmental Category: General

PSYC 5232 (2) Molecular Genetics and Physiology

Covers fundamental mechanisms of gene action, including genome structure and regulation of gene expression. Discusses molecular techniques used to examine human genetic diseases. Emphasizes genetic diseases with behavioral, neurologic, and physiologic abnormalities.

Requisites: Requires a prerequisite course of PSYC 5200 or IPHY 5200 (minimum grade D-). Restricted to Behavioral, Psychiatric and Statistical Genetics PhD students. Restricted to graduate students only.

Additional Information: Departmental Category: Biological

PSYC 5242 (3) Biometrical Methods in Behavioral Genetics

Studies development of structural models appropriate to behavioral genetics and the estimation procedures necessary for their application.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Biological

PSYC 5423 (3) Research Problems in Clinical Psychology

Provides an overview of fundamental research methods relevant to clinical psychology, including literature synthesis, hypothesis formulation and study design, measure selection, and data analysis. Students will gain specific experience writing scientific papers and funding proposals.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 5433 (3) Adult Psychopathology

Intensively surveys major theories, research findings, and behavioral characteristics associated with deviant reaction patterns.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 5453 (3) Developmental Psychopathology

Examines the development of psychopathology across the lifespan, including etiological influences, neurobiological correlates, symptom presentation, and clinical diagnosis and intervention.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 5541 (1-6) Special Topics in Psychology

Studies and analyzes special interest topics from the broad and diversified field of psychology. Particular section content is determined by instructor. Instructor consent required for students outside of the department.

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: General

PSYC 5606 (3) Proseminar: Social-Personality Psychology

Provides a thorough introduction to methods and theories in social psychology concerned with topics such as the self, social cognition, judgment and decision making, attitude formation and change, small group processes, inter-group relations, health and social psychology, and others.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Social Psychology PhD students.

Additional Information: Departmental Category: Social

PSYC 5656 (3) Advanced Graduate Research Methods

Provides training in the philosophical roots of empirical research, inference of causality, internal and external validity and reliability. These topics will be covered as they relate to a range of research designs including passive observational, experimental, quasi-experimental, meta-analytic and longitudinal. Additional topics include statistical inference and research ethics.

Requisites: Restricted to Social Psychology PhD students.

Grading Basis: Letter Grade

Additional Information: Departmental Category: Social

PSYC 5665 (2) Perception and Attention Proseminar

Required proseminar for students in the Cognitive Psychology Ph.D. program. Provides an introduction to current thinking about sensory and perceptual processing, object recognition and attention. Students will read peer-reviewed journal articles and make class presentations on appropriate topics, including methods of data collection and analysis.

Repeatable: Repeatable for up to 4.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 5685 (2-3) Research Methods Proseminar

Main topic is research methods in cognitive psychology, with an emphasis on experimental methods. Skills and knowledge will be gained that are necessary to A) critically evaluate existing research and B) design, conduct, analyze and write up experimental studies. Required for graduate students in Cognitive Psychology.

Repeatable: Repeatable for up to 4.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 5695 (2) Memory Proseminar

Provides beginning Ph.D. students with a basic introduction to (primarily human) memory research. One of the six required proseminar for students in the Cognitive Psychology Ph.D. program. Includes consideration of experimental, theoretical, behavioral and cognitive neuroscience perspectives on memory. Instructor consent required for students outside of the department.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 5741 (4) General Statistics 1

is part 1 of the 2-semester course sequence, PSYC 5741 and PSYC 5751. This course surveys probability and statistics in psychology, using the general linear model as a basic "recipe" for data analysis. After introducing a few powerful concepts that enable a range of questions to be asked, the course focuses on building and interpreting models using standard regression software. Restricted to Psychology and Neuroscience (PSYC & NRSC) graduate students. Instructor consent required for students outside of the department.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: General

PSYC 5751 (4) General Statistics 2

is part 2 of the 2-semester course sequence, PSYC 5741 and PSYC 5751. This course surveys probability and statistics in psychology, using the general linear model as a basic "recipe" for data analysis. After introducing a few powerful concepts that enable a range of questions to be asked, the course focuses on building and interpreting models using standard regression software.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: General

PSYC 5761 (3) Structural Equation Modeling

Provides training in the use of structural equation modeling, a class of analytic techniques that include the estimation of unobserved, or latent, constructs and an estimation of relationships among latent constructs.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Recommended: Prerequisite successful completion of graduate level statistics.

Additional Information: Departmental Category: General

PSYC 5771 (3) Bayesian Data Analysis

This course is a practical introduction to using Bayesian methods to analyze data in R. After we develop our general Bayesian approach, with an emphasis on simulation rather than calculus, we will focus on applications from regression basics to advanced multilevel models. Students outside of the department may contact the instructor for permission to enroll.

Requisites: Requires prerequisite courses of PSYC 5741 and PSYC 5751 (min grade C-). Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

PSYC 5815 (2) Language Proseminar

Introduction to research on human language. A required proseminar for Cognitive Psychology Ph.D. students. Covers research at the cognitive, neural, and computational levels. Addresses phenomena at the levels of phonology, grammar, and meaning. Emphasizes interrelationships between language and other domains of cognition (perception, memory, executive function).

Repeatable: Repeatable for up to 4.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 5825 (2) Executive Function Proseminar

Provides beginning Ph.D. students with an introduction to the study of executive functions. Required proseminar for students in the Cognitive Psychology Ph.D. program. Includes consideration of working memory, inhibition, multi-tasking, monitoring, selection, lifespan changes and social/clinical applications at the cognitive, neural and computational levels.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 5835 (2) Thinking Proseminar

Provides beginning Ph.D. students with a basic introduction to research on complex human cognition, including reasoning, problem solving, decision making, analogy, concept learning and knowledge representation. Includes consideration of theoretical, behavioral and cognitive neuroscience perspectives. One of six proseminar modules required of students in the Cognitive Psychology Ph.D. program.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 6200 (3) Issues and Methods in Cognitive Science

Interdisciplinary introduction to cognitive science, examining ideas from cognitive psychology, philosophy, education, and linguistics via computational modeling and psychological experimentation. Includes philosophy of mind; learning; categorization; vision and mental imagery; consciousness; problem solving; decision making, and game-theory; language processing; connectionism. No background in computer science will be presumed.

Equivalent - Duplicate Degree Credit Not Granted: CSCI 6402 and EDUC 6504 and LING 6200 and PHIL 6310 and SLHS 6402

Requisites: Restricted to graduate students only.

Additional Information: Departmental Category: General

PSYC 6603 (1) Professional Issues in Clinical Psychology

Covers a range of topics important for professional development in clinical psychology, including preparation and delivery of research presentations, preparation of grant proposals/manuscripts and practicum experience (i.e., interviewing and assessment, treatment planning, intervention and documentation). Intended to prepare students for careers as research scientists and clinicians. Instructor consent required.

Repeatable: Repeatable for up to 10.00 total credit hours.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 6605 (1) Cognitive Psychology Research Update

Provides summaries of current research by graduate students and faculty members in the Cognitive Psychology program in the Department of Psychology and Neuroscience. Professional Development issues relevant to cognitive psychologists will also be discussed. Graduate students in all programs and advanced undergraduates welcome with instructor consent.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Psychology (PSYC) and Neuroscience (NRSC) PhD Students only.

PSYC 6606 (1) Professional Issues in Social Psychology

Covers a range of topics important for professional development in social psychology, including preparation and delivery of research presentations, preparation of grant proposals and manuscripts, and peer review of manuscripts. Intended to prepare students for careers as research scientists.

Repeatable: Repeatable for up to 6.00 total credit hours.

Requisites: Restricted to Social Psychology PhD students.

Additional Information: Departmental Category: Social

PSYC 6761 (3) Topics in Advanced Structural Equations Modeling

Covers topics in advanced structural equation modeling, including modeling with nonlinear observed variables, latent variable interactions, longitudinal models, mixture models and transition analysis. Other topics will be covered by request.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Recommended: Prerequisite PSYC 5761.

Additional Information: Departmental Category: General

PSYC 6831 (2) Interdisciplinary Social Science Professional Socialization

Trains graduate students and provides professional socialization in interdisciplinary social science research. Open to all interested students, with programming provided by the Institute of Behavioral Science. Sessions include IBS-housed colloquia and workshops in professional socialization, technological tools, interdisciplinary research, ethics, grant writing, etc. Students workshop and submit a research paper.

Equivalent - Duplicate Degree Credit Not Granted: SOCY 6851 and PSCI 6851

Repeatable: Repeatable for up to 4.00 total credit hours.

Requisites: Restricted to graduate students only.

PSYC 6841 (1-3) Independent Study

Repeatable: Repeatable for up to 7.00 total credit hours. Allows multiple enrollment in term.

Additional Information: Departmental Category: General

PSYC 6911 (1-3) Research Practicum

Department consent required to enroll.

Repeatable: Repeatable for up to 18.00 total credit hours.

Additional Information: Departmental Category: General

PSYC 6941 (1-3) Master's Candidate for Degree

Repeatable: Repeatable for up to 7.00 total credit hours. Allows multiple enrollment in term.

Grading Basis: Pass/Fail

PSYC 6951 (1-6) Master's Thesis

Repeatable: Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

Additional Information: Departmental Category: General

PSYC 7012 (1-3) Research in Behavioral Genetics

Individual research projects.

Repeatable: Repeatable for up to 7.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Behavioral, Psychiatric and Statistical Genetics PhD students.

Additional Information: Departmental Category: Biological

PSYC 7102 (2-3) Seminar: Behavioral Genetics

Intensive study of selected topics in behavioral genetics. Emphasizes recent research. Attention to both human and animal studies. Instructor consent required for students outside of the Behavioral, Psychiatric, and Statistical Genetics program.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Behavioral, Psychiatric and Statistical Genetics PhD students.

Additional Information: Departmental Category: Biological

PSYC 7215 (3) Seminar: Experimental Psychology

Advanced seminar dealing with different specialized topics, at the discretion of the instructor, in different years. Topics chosen are within the broad range of experimental psychology.

Repeatable: Repeatable for up to 9.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 7291 (3) Multivariate Analysis

Familiarizes students with scientific concepts, matrix theory, and computer techniques of multivariate analyses for psychological research. Topics include cluster and factor analysis, multiple regression, and discriminant functions. Emphasizes research technology rather than mathematical theory.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: General

PSYC 7315 (2) Advanced Research Seminar on Human Memory

Addresses topics in the experimental psychology of human memory. Specific content varies from semester to semester. Both theoretical issues and contemporary empirical work will be reviewed. Each student will be required to engage in laboratory work outside of class, which will include an original experiment.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: Experimental

PSYC 7415 (2) Cognitive Science Research Applications Seminar 1

Independent, interdisciplinary research project in cognitive science for advanced graduate students pursuing a joint PhD in an approved core discipline and cognitive science. Research projects integrate at least two areas within the cognitive sciences: psychology, computer science, linguistics, education, philosophy. Students need commitments from two mentors for their project.

Equivalent - Duplicate Degree Credit Not Granted: CSCI 7412 and EDUC 6506 and LING 7415 and PHIL 7415 and SLHS 7418

Requisites: Requires a prerequisite course of CSCI 6402 or EDUC 6504 or LING 6200 or PHIL 6310 or PSYC 6200 (minimum grade B). Restricted to graduate students only.

Recommended: Prerequisite EDUC 6505.

Additional Information: Departmental Category: Experimental

PSYC 7425 (2) Cognitive Science Research Applications Seminar 2

Independent, interdisciplinary research project in cognitive science for advanced graduate students pursuing a joint PhD in an approved core discipline and cognitive science. Research projects integrate at least two areas within the cognitive sciences: psychology, computer science, linguistics, education, philosophy. Students need commitments from two mentors for their project.

Equivalent - Duplicate Degree Credit Not Granted: CSCI 7422 and EDUC 6516 and LING 7425 and PHIL 7425 and SLHS 7428

Requisites: Requires a prerequisite course of LING 7415 or PSYC 7415 or CSCI 7412 or EDUC 6506 (minimum grade B). Restricted to graduate students only.

Additional Information: Departmental Category: Experimental

PSYC 7536 (1-3) Personality and Social Psychology

Selected topics in the area of social-personality psychology. Students may register for more than one section of this course within the term and/or within their graduate career. These seminars may be on one of the following topics: stereotyping and prejudice, social neuroscience, person perception, social psychology and the self, health and social psychology, race and ethnic identity, or social cognition.

Repeatable: Repeatable for up to 8.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Social Psychology PhD students.

Additional Information: Departmental Category: Social

PSYC 7663 (1) Intellectual Assessment Laboratory

Practice administration of common intellectual and neuropsychological tests.

Requisites: Requires corequisite courses of PSYC 7683.

Additional Information: Departmental Category: Clinical

PSYC 7673 (3) Adult Psychotherapy

Provides an intensive introduction to the science and practice of psychological treatments for adult psychopathology. Will focus on selected treatments and address the relevant theoretical and empirical base for each approach and the specific principles and procedures utilized. Aim of course is for students to acquire both a scientific and applied knowledge of evidence-based practice in clinical psychology, with a focus on intervention for adult mental disorders. Instructor consent required for students outside of the Clinical Psychology program.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 7683 (1-3) Intellectual Assessment, with Practicum, in Clinical Psychology

Focuses on administering and interpreting objective test commonly used in clinical psychology practice. Includes case study approach and direct clinical experience.

Repeatable: Repeatable for up to 12.00 total credit hours. Allows multiple enrollment in term.

Additional Information: Departmental Category: Clinical

PSYC 7693 (3) Personality and Psychopathology Measurement

Covers theory and basic applications of psychological assessment, with an emphasis on measurement theory and the assessment of psychopathology and personality.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 7703 (1-3) Seminar: Clinical Psychology

Selected topics in the area of clinical psychology. Instructor consent required for students outside of the Clinical Psychology program.

Repeatable: Repeatable for up to 21.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 7713 (1-3) Practicum in Clinical Psychology

Provides direct clinical experience for clinical graduate students only.

Repeatable: Repeatable for up to 18.00 total credit hours. Allows multiple enrollment in term.

Requisites: Restricted to Clinical Psychology PhD students.

Additional Information: Departmental Category: Clinical

PSYC 7723 (1) Clinical Psychology Internship

Students will enroll in this clinical psychology internship course while they are completing the required 1-year internship.

Repeatable: Repeatable for up to 3.00 total credit hours.

Requisites: Restricted to Clinical Psychology PhD students.

PSYC 7775 (1) Topics in Cognitive Science

Reading of interdisciplinary innovative theories and methodologies of cognitive science. Students participate in the LCS Distinguished Speakers series that hosts internationally recognized cognitive scientists who share and discuss their current research. Session discussions include analysis of leading edge and controversial new approaches in cognitive science. Restricted to students enrolled in LCS Cognitive Science Academic Programs.

Equivalent - Duplicate Degree Credit Not Granted: CSCI 7772 and EDUC 7775 and LING 7775 and PHIL 7810 and SLHS 7775

Repeatable: Repeatable for up to 4.00 total credit hours.

Additional Information: Departmental Category: Experimental

PSYC 7793 (1-3) Child Assessment Practicum

Allows students who have already learned adult assessment measures to broaden their knowledge and skills in order to complete psychoeducational evaluations with children. The course covers the background of common childhood disorders, general testing strategies with children, and specific test administration.

Repeatable: Repeatable for up to 8.00 total credit hours.

Requisites: Restricted to Clinical Psychology PhD students.

Recommended: Prerequisite PSYC 7683.

Additional Information: Departmental Category: Developmental

PSYC 8991 (1-10) Doctoral Dissertation

All doctoral students must register for not fewer than 30 hours of dissertation credit as part of the requirements for the degree. For a detailed discussion of doctoral dissertation credit, refer to the Graduate School section.

Repeatable: Repeatable for up to 30.00 total credit hours.

Requisites: Restricted to Psychology and Neuroscience (PSYC NRSC) graduate students.

Additional Information: Departmental Category: General