

Psychology (PSY)

PSY 301 Introduction to Psychology 3 Hours

Basic problems and principles of human experience and behavior.

PSY 304 Introduction to Child Psychology 3 Hours

General introduction to physical, social, and cognitive development from conception onward.

PSY 305 Introduction to Cognitive Psychology 3 Hours

Introduction to the study of how people perceive, act, communicate, and reason.

PSY 306 Introduction to Human Sexuality 3 Hours

Introduction to the science of sex and mating. Provides an overview of the psychological, biological, and social factors that contribute to sexual well-being and human sexual attraction.

PSY 308 Biopsychology 3 Hours

Introduction to the biological bases of psychological processes and behavior. Overview of the physiology and anatomy of the nervous system, followed by a survey of brain mechanisms of perception, cognition, learning, and emotion; biological perspectives on drug action and mental disease.

PSY 309 Personality 3 Hours

Research and theory concerning personality structure, dynamics, development, and assessment.

PSY 317 Statistical Methods in Psychology 3 Hours

Measures of central tendency and variability; statistical inference; correlation and regression.

PSY 317L Introduction to Statistics for the Behavioral Sciences 3 Hours

Explore the R programming language, data visualization, data wrangling, descriptive statistics (measures of central tendency and variation), measures of association (correlation, regression). Examine inferential statistics including parametric tests (such as t-tests and ANOVA) and non-parametric tests (such as Kruskal-Wallis and chi-squared tests).

PSY 319K Social Psychology 3 Hours

Theory and research on the analysis of human conduct in social settings.

PSY 319R Introductory Research Experience 3 Hours

Learn broad knowledge about laboratory goals and observe how scientific studies are conducted. Develop entry-level firsthand supervised research experience in psychology in collaboration with projects' principal investigators or graduate/medical students.

PSY 119S, 219S, 319S, 419S, 519S, 619S, 719S, 819S, 919S Topics in Psychology 1-9 Hours

This course is used to record credit the student earns while enrolled at another institution in a program administered by the University's Study Abroad Office. Credit is recorded as assigned by the study abroad adviser in the Department of Psychology. University credit is awarded for work in an exchange program; it may be counted as coursework taken in residence. Transfer credit is awarded for work in an affiliated studies program.

PSY 420M Psychological Methods and Statistics 4 Hours

Explore the basic and intermediate scientific methods and statistical techniques commonly employed in psychological research.

PSY 120R R Programming for Behavioral Sciences 1 Hour

Introduction to the R programming language.

PSY 323 Perception 3 Hours

Theory and research in the ways we extract information from the environment.

PSY 323P Perceptual Systems: Neurons, Behavior, and Evolution 3 Hours

An introduction to perceptual systems, with an emphasis on perception in human and nonhuman primates. Subjects include the physics of perceptual stimuli, the neural processing of perceptual information, the performance of human and other primates in perceptual tasks, and the evolution of perceptual systems.

PSY 323S Sex Differences in Cognition and Perception 3 Hours

Examination of facts, theories, and implications of sex differences in human cognition and perception. Subjects include genetic and hormonal origins of sex differences, structural differences in the body and brain, verbal abilities, spatial abilities, learning, memory, sensory-motor abilities, and the auditory, olfactory, visual, and other sensory systems.

PSY 323V Seeing and Acting in a Virtual World 3 Hours

Methods of experimentation and discovery for examining one's own perceptions and actions in ordinary life.

PSY 325K Advanced Statistics 3 Hours

Advanced statistical theory and methods for analysis of behavioral sciences data; subjects include analysis of variance and covariance, regression, and nonparametric techniques.

PSY 326K Principles of Conditioning and Learning 3 Hours

Explore how people learn emotional and motor responses without conscious intent.

PSY 129S, 229S, 329S, 429S, 529S, 629S, 729S, 829S, 929S Topics in Psychology 1-9 Hours

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PSY 332 Behavioral Neuroscience 3 Hours

Neuroscientific study of behavioral functions: fundamental structure and function of the human nervous system, sensory systems and perception, motor systems and behavior, motivation and learning, brain disorders and maladaptive behavior.

PSY 332C Hormones and Behavior 3 Hours

Neuroscientific study of hormones and behavior in animals and humans. Includes sexual behavior, sexual differentiation, parental behavior, aggressive behavior, feeding and drinking, stress, learning, and memory.

PSY 332D Human Brain Imaging in Psychology 3 Hours

Study of human brain imaging technologies such as fMRI and electrophysiology.

PSY 332E Ethics, Genetics, and the Brain 3 Hours

Discuss the ethical, legal, and societal implications of advances in the understanding of neuroscience and genetics.

PSY 332J The Developing Brain 3 Hours

Explore the process of brain development from prior to fertilization through to old age with focus on the molecular, cellular, neurobiological, and behavioral changes that occur.

PSY 332M The Neuroscience of Motivation and Reward 3 Hours

Examination of mechanisms of the brain that control behaviors such as incentive motivation, reward, aversion, and addiction.

PSY 332P Neural Plasticity And Behavior 3 Hours

Examine basic concepts and current research directions in brain plasticity. Includes theory and research on how animals learn and remember, how brain areas and neurons adapt to life experiences, trauma, injury, and aging and new treatment directions based on neural plasticity principles.

PSY 332S Psychology and Neuroscience of Sleep 3 Hours

Discuss the scientific literature on neuroscience underlying sleep, psychological influences on sleep, and sleep habits and interventions.

PSY 332T Biological Clocks and Behavior 3 Hours

Explore the role of biological clocks in health and disease.

PSY 332U Diversity in Cognitive Aging 3 Hours

Discuss biological, sociocultural, and environmental factors underlying cognitive aging. Explore how each of these factors dynamically shapes cognitive functioning, brain health, and late-life dementia risk from a life course perspective.

PSY 332W Vision and Action 3 Hours

PSY 333C Controversial Issues in Development 3 Hours

An exploration of questions in developmental psychology that are currently in dispute. Subjects may include stem cell research, treatment of juveniles in the legal system, physician-assisted suicide, and methods of sex education.

PSY 333D Introduction to Developmental Psychology 3 Hours

Physical, social, and cognitive development in humans.

PSY 333E Identity Formation 3 Hours

An introduction to historical theories of and current research on identity, with particular focus on identity development in the domains of occupation, religion, politics and morality, gender, ethnicity, and adoption.

PSY 333F Fantasy and Reality 3 Hours

Examination of how children and adults decide what is real and what is not. Subjects include the fantasy-reality distinction, magical thinking, and religious cognition.

PSY 333G The Development of Attachment Relationship 3 Hours

Study of the attachment relationship.

PSY 333M Infant Development 3 Hours

Examine the development of motor, perceptual, cognitive, language and socio-emotional capacities during the infancy and toddler years (0-2years). Discuss theoretical foundations, empirical findings, and methodological advances related to these areas.

PSY 333N Cognitive Development 3 Hours

Overview of the development of thinking from infancy through childhood.

PSY 333P Child Language 3 Hours

Examination of theory and research concerning the development of language in the child.

PSY 333R Social Development in Children 3 Hours

Development of social behavior (for example, sex typing and aggression) and social relationships.

PSY 333S Developmental Science of Adolescence 3 Hours

An in-depth exploration of what it means to be an adolescent - how the brain, hormones and cognitive development change motivation and behavior, and how institutions (schools, governments, police) help or hinder young people's development.

PSY 333T Adolescent Development 3 Hours

Physical, cognitive, social, and personality development during adolescence.

PSY 333W Moral Development 3 Hours

An introduction to theory and research on morality. Subjects include culture and morality, Freudian and social learning perspectives on moral development, Kohlberg's theory of morality, challenge to Kohlberg's theory, and cognitive, familial, and emotional influence on morality.

PSY 334D Psychology of Human Mating 3 Hours

Mate selection, sources of conflict, and mating over the life span, studied in the context of evolutionary psychology and sexual selection theory.

PSY 334E Evolutionary Psychology 3 Hours

Fundamentals of evolutionary psychology, including issues of natural and sexual selection, adaptation, and domain-specific psychological mechanisms.

PSY 337 Psychology of Language 3 Hours

Consideration of approaches to the study of language, its development in children, and its functioning; important research from psychology and linguistics.

PSY 337P Language Processing 3 Hours

Introduction to psycholinguistics, which uses methods and theories from cognitive psychology and cognitive science to understand how people speak, comprehend, and learn language(s).

PSY 338K Psychology of Reading 3 Hours

Theory and research on the reading process and its acquisition.

PSY 339 Behavior Problems of Children 3 Hours

Adjustment difficulties during childhood and adolescence; causation and treatment.

PSY 340M Industrial Psychology 3 Hours

A general introduction to organizational behavior and issues in industrial/organizational psychology. Subjects include organizational structure, selection and placement, leadership, job satisfaction, training, and change.

PSY 341K Selected Topics in Psychology 3 Hours

Topics of contemporary interest that may vary from semester to semester.

PSY 341K.12 Personality Assessment 3 Hours

Theoretical and methodological issues involved in trying to understand and measure personality.

PSY 341K.14 Robot Cognition 3 Hours

PSY 341K.15 History of Modern Psychology 3 Hours

A survey of the diverse roots of modern psychology, the competing schools that influenced psychology's development, and the perspectives that guide scholarship in present-day psychology.

PSY 341K.16 Psychology of Fundamentalism 3 Hours

Psychological research and theory on religious fundamentalism. Considers the nature of different forms of religious fundamentalism, and possible psychological mechanisms that motivate fundamentalism. Includes topics such as the development of fundamentalism, the movement from fundamentalism to terrorism, and fundamentalism and the family.

PSY 341K.17 Psychology and Religion 3 Hours

An exploration of the psychological processes involved in religion. Discusses seminal psychological theories of religion, such as the work of James, Freud, Jung, and Maslow. Discussion of empirical work includes topics such as the development of religion across the life span, religious experience, conversion, and the effects of religion on mental and physical health.

PSY 341K.18 Language and Thought 3 Hours

PSY 341K.19 Psychology of Literature 3 Hours

Delves into the relation between literature and psychological research. Addresses this relation in terms of character development, plot devices, and historical influences. Broadly explore why people are interested in reading literature that might be subjective or wholly fictional in nature. Explore the extent to which authors create characters that 'ring true' to what psychological science has learned about human nature and how this affects the reader's enjoyment of the literature.

PSY 341K.4 Health Psychology 3 Hours

PSY 341K.7 Epidemiology 3 Hours

PSY 341K.8 Learning and the Brain 3 Hours

PSY 343K Substance Abuse 3 Hours

Causes of substance abuse: the evolutionary perspective, sex differences, predisposition, biological and cognitive theories; emphasis on food and alcohol.

PSY 344C Growing up Latine 3 Hours

Examine the multiple dimensions of Latine development across the lifespan. Discuss theoretical foundations, empirical findings, and methodological advances in the field.

PSY 345 Individual Differences 3 Hours

Study of person-to-person variation in intelligence, personality, and interests, with an emphasis on genetic and environmental determinants, developmental processes, and their relation to real-world outcomes.

PSY 346K Psychology of Sex 3 Hours

Development of sex from genes to human behavior.

PSY 350 Motivation 3 Hours

Theory and research on motivation; biological and social determinants.

PSY 352P Psychopathology 3 Hours

Explore biological and social factors in the development and treatment of psychopathology.

PSY 353K Psychopharmacology 3 Hours

The pharmacology and the neurochemical, neurophysiological, and psychological effects of psychoactive drugs, with regard to their use as therapeutic and behavioral research tools.

PSY 355 Cognition 3 Hours

Theoretical and critical analysis of the development, nature, and function of the thought process.

PSY 355C Development of Categories and Concepts 3 Hours

Study of the historical and contemporary knowledge about the ways that people learn about concepts.

PSY 355D Animal Cognition 3 Hours

An introduction to animal intelligence and the evolution of mind. Examines what is known about intelligence in other animals, how intelligence is revealed in social and problem-solving behavior, and the ways in which human intelligence is structured by its evolutionary past.

PSY 355E Psychology of Consciousness 3 Hours

Introduction to the scientific study of consciousness from the perspective of psychology and neuroscience.

PSY 355M The Cognitive Psychology of Music 3 Hours

Cognitive foundations of music in terms of physics of sound, the psychophysics of musical experience, perceptual organization of musical scenes, the perception of time through rhythm, and the ways in which music reflects natural form.

PSY 355N Cognitive Neuroscience 3 Hours

Exploration of the link between the brain, mind, and behavior and cognitive neuroscience techniques.

PSY 355Q Cognitive Science of Religion 3 Hours

Explore cognitive and evolutionary approaches to understanding religion. Examine cutting-edge research on the cognitive science of religion from disciplines including anthropology, psychology, philosophy, and religious studies.

PSY 355R Reasoning and Decision Making 3 Hours

Survey of psychological research on how people reason and make decisions. Subjects include mental models, causality, analogy, heuristics, emotion, motivation, culture, and decision making.

PSY 355S Social Cognition 3 Hours

Examine major theories and research findings in social cognition.

PSY 357 Undergraduate Research 3 Hours

Supervised research experience.

PSY 357R Advanced Undergraduate Research 3 Hours

Deepen supervised research experience in psychology. Implement advanced laboratory experience and skills within a leadership role in collaboration with principal investigators and a team to assist with research projects.

PSY 458 Experimental Psychology 4 Hours

Techniques of psychological research illustrated in a series of laboratory experiments.

PSY 158H Honors Research Tutorial 1 Hour

PSY 359 Selected Topics: Readings: Tutorial 3 Hours

Supervised reading in selected topics of significance; area of intensive study is chosen by the student in consultation with the instructor.

PSY 359H Honors Research I 3 Hours

PSY 364 Introduction to Clinical Psychology 3 Hours

Introduction to techniques of assessment and treatment of psychopathology.

PSY 364C Childhood Trauma and Adversity 3 Hours

Focus on how childhood trauma impacts behavioral, emotional, cognitive, and biological functioning across the lifespan.

PSY 364F Forensic Psychology 3 Hours

Examine the study and practice of psychology as it applies to issues relating to the law and legal system, such as: determination of competency and insanity, expert testimony, jury selection and the social psychology of the courtroom, eyewitness testimony, and false confessions.

PSY 364M Mental Illness and the Brain 3 Hours

Introduction to the brain dysfunction and cognitive impairment often associated with mental illness and how its recognition and assessment can be used to help with differential diagnosis, prognosis, and treatment planning.

PSY 364P Positive Psychology and the Good Life 3 Hours

Analyze how to live a more satisfying life based on modern psychological science. Survey the emerging field of positive psychology, including assessment and determinants of well-being; human strengths and virtues; the good life considered from evolutionary, economic, sociological, and cross-cultural perspectives; and applications to issues such as social change.

PSY 364S Human Sexuality 3 Hours

Human sexuality from a clinical and evolutionary perspective with a focus on the assessment, diagnoses, and treatment of sexual dysfunctions.

PSY 364T Multicultural Psychotherapy 3 Hours

Introduction to multicultural approaches to personality assessment and counseling psychotherapy.

PSY 365D Behavioral Science, Equity, and Inclusion 3 Hours

Apply the principles of experimental behavioral science to problems of creating an equitable and inclusive society in the twenty-first century.

PSY 365E Emotion 3 Hours

Examination of the scientific literature on the psychology of human and animal emotion.

PSY 365G Gender and Racial Attitudes 3 Hours

Advanced introduction to the psychological study of gender and racial attitudes in children and adults, with emphasis on the causes, consequences, and revision of an individual's gender and racial stereotypes.

PSY 365L Advanced Social Psychology 3 Hours

Experimental research in social psychology, social influence, decision making, affiliation, risk taking, stress, and other subjects.

PSY 371 Learning and Memory 3 Hours
Analysis of theory and research in learning.

PSY 371E Psychological Data Science Foundations I 3 Hours
Introduction to foundational concepts and techniques in data science.

PSY 371F Psychological Data Science Foundations II 3 Hours
Explore foundational concepts and techniques in data science, including in-depth Python programming, advanced plotting techniques, curve/model fitting, computer simulations, and machine learning.

PSY 371M Introduction to Machine Learning 3 Hours
Introduction to the fundamental concepts and algorithms that enable computers to uncover the underlying patterns from different types of behavioral data.

PSY 371N Natural Human Behavior in the Real World 3 Hours
Design experiments that will be conducted in the real world, use mobile sensing technology to collect behavioral data, and discover behavioral patterns by analyzing fine-grained data. Conduct a behavioral study with the aim to provide research evidence to overcome the challenges that the real world poses.

PSY 371P Applied Data Science 3 Hours
Explore the fundamentals of data science. Discuss the current trends and subjects in data science.

PSY 371Q Ethics in Behavioral Data Science 3 Hours
Examine and discuss important ethical issues in the context of behavioral data science in real-world case-studies such as emotion recognition, surveillance, targeted marketing, and more.

PSY 371R Brain Mechanisms and Learning Theory Applied to Real World Scenarios 3 Hours

PSY 371S Bayesian Data Analysis 3 Hours
Introduction to Bayesian data analysis and inference.

PSY 371T Text Analysis for Behavioral Data Science 3 Hours
Introduction to various methods of text analysis, with a focus on extracting psychological insights. Discuss the underlying scientific basis that supports various use-cases.

PSY 373N The Neurobiology of Attention 3 Hours
Examination of behavioral and brain mechanisms of attention in humans and other animals.

PSY 377P, 677P Undergraduate Practicum 3,6 Hours
Field experience in applied psychology. Students are supervised by faculty members and by practitioners in community agencies.

PSY 379H Honors Research II 3 Hours

PSY 380C Human Neuropsychology 3 Hours
Basic issues in normal and abnormal human brain function reviewed with emphasis on disorders of higher cerebral functioning.

PSY 380F Fundamentals of Evolutionary Psychology 3 Hours
Survey of important theories and research in evolutionary psychology, with emphasis on current problems.

PSY 380G Grant Writing 3 Hours
Examine grant writing for fellowships and research funds from a variety of different funding sources. Create and workshop drafts for applications for pre-doctoral fellowships (for example, NSF, NRSA), postdoctoral fellowships, dissertation grants, or general research funds. Generate discussion, contribute peer feedback, draft and revise grant components, and participate in a mock study section.

PSY 380W Writing Workshop 3 Hours
Explore tools to create and maintain a consistent writing practice and meet research goals. Track writing, discuss challenges and progress in a supportive community, and receive feedback on written work.

PSY 381C Methods of fMRI: From Design to Data Analysis 3 Hours
Methods behind all common fMRI data preprocessing steps and data analysis models, including how to properly implement and evaluate their performance.

PSY 381D Advanced Topics in Neuroimaging 3 Hours
Addresses the latest developments in the design, analysis, and interpretation of neuroimaging data.

PSY 381E Introduction to Psychophysiology 3 Hours
An overview of the principles, theory, and applications of using physiological measures to study mental processes. Covers the philosophical and theoretical foundations of brain/behavior relations and introduces basic electrical principles and human neurophysiology. A core course option.

PSY 381F Grant Writing for the National Science Foundation 3 Hours
Explore the application and review procedures when requesting funding from the National Science Foundation.

PSY 381G Grant Writing in the Behavioral and Biological Sciences 3 Hours
Introduction to grant writing in the behavioral and biological sciences and development of grant writing skills. Subjects include: finding grant opportunities, planning proposal activities, successful grant writing strategies, and how to talk to grant program officers. Write grant proposals (e.g., proposals to federal agencies such as NSF or NIH) and revise proposals based on peer and instructor feedback. Explore how grant proposals are reviewed by participating in a mock review session.

PSY 381H Professional Development for Careers in Psychological Science 3 Hours
Explore professional development issues that arise in academic and non-academic careers for psychological scientists.

PSY 382E Area Seminar in Cognitive Science 3 Hours
Current issues in cognitive science.

PSY 382F R Programming in Behavioral Sciences 3 Hours
Design reproducible behavioral data analysis using R and RStudio. Emphasis on coding skills to organize, analyze, and visualize data.

PSY 182H Promoting Wellbeing and Thriving 1 Hour
Examine empirically-supported strategies for promoting well-being and thriving through graduate study and beyond. Explore emotions, stress response, coping, gratitude, health behaviors, sleep, resilience, and mindfulness.

PSY 182K, 282K, 382K Internship in Clinical Psychology 1-3 Hours
Supervised practical experience in clinical assessment and treatment.

PSY 382V Neural and Computational Basis of Vision 3 Hours
Introduction to the physiology, psychophysics and computational aspects of the visual system. Review linear systems analysis, information theory, Bayesian statistical decision theory, and other relevant mathematical areas.

PSY 383C Functional Neuroanatomy 3 Hours
An examination of the anatomy of the brain and spinal cord, emphasizing connections and functions of neural systems.

PSY 383E Area Seminar in Cognitive Neuroscience 3 Hours
Current issues in cognitive neuroscience.

PSY 383M Fundamentals of Physiological Psychology 3 Hours
Survey of important theories and research in physiological psychology, with emphasis on current problems.

PSY 383P Proseminar: Professional Development 3 Hours
Explore the hidden curriculum of graduate training and future career prospects. Examine work/life balance, writing skills, grants, and issues to consider while in the job market.

PSY 383T Principles of Sensory and Behavioral Neuroscience 3 Hours
A proseminar covering the core material on essential topics in sensory and behavioral neuroscience.

PSY 384C Bootstrap Statistics 3 Hours

An introduction to modern methods of statistical analysis based on numerical computer simulation. Covers a range of common data analysis situations drawn mainly from the fields of neuroscience and experimental psychology. Techniques include point estimation, two-group and multiple group experiments, regression and curve fitting, and Bayesian analysis.

PSY 184E Area Seminar in Clinical Psychology 1 Hour

PSY 384K Advanced Statistics: Experimental Design 3 Hours

Consideration of problems of analysis and design commonly encountered in psychological research.

PSY 384M Advanced Statistics: Inferential 3 Hours

Covers t-test, chi-square, analysis of variance, and nonparametric tests.

PSY 384P Regression Analysis 3 Hours

Offers thorough coverage of all major aspects of regression. Coverage includes linear model theory and application, polynomial and interaction models, multivariate linear and logistic regression, and all related diagnostics.

PSY 384Q Advanced Applied Statistics I 3 Hours

Coverage of advanced statistical techniques useful in the social sciences and beyond. Specific areas of focus include non-linear regression, robust analysis, mixed-model regression (hierarchical linear models), and principal components/factor analysis.

PSY 184R Data analysis with R 1 Hour

Using R for a variety of data analyses following the topics covered in Psychology 384M including: reading data into R, generating graphs, ANOVA, ANCOVA, and regression.

PSY 384S Advanced Applied Statistics II 3 Hours

Coverage of advanced statistical techniques useful in the social sciences and beyond. Specific areas of focus include semi-parametric regression, categorical data modeling, resampling and permutation techniques, monte carlo simulation, time-to-event analysis, and structural equations modeling.

PSY 384T Structural Equation Modeling 3 Hours

Introduction to structural equation modeling.

PSY 185E, 385E Area Seminar in Developmental Psychology 1,3 Hours

Current issues in developmental psychology.

PSY 385J Linear Models: Regression and ANOVA Methods 3 Hours

Explores linear modeling from both conceptual and applied perspectives. Focuses on ANOVA, including multi-factor designs, post-hoc testing, and analysis of covariance, as well as on regression, including univariate and multivariate regression, polynomial and interaction models, logistic regression, and related diagnostics.

PSY 385N Fundamentals of Personality Psychology 3 Hours

Survey of important theories and research in personality psychology, with emphasis on current problems.

PSY 385P Fundamentals of Social Psychology 3 Hours

Survey of important theories and research in social psychology, with emphasis on current problems.

PSY 386D Multivariate Pattern Analysis 3 Hours

Explores cutting-edge techniques for finding meaningful patterns in large, noisy brain data sets, and how to use these techniques to address a variety of questions in cognitive neuroscience.

PSY 186E, 386E Area Seminar in Individual Differences and Evolutionary Psychology 1,3 Hours

Current issues in individual differences and evolutionary psychology.

PSY 386N Fundamentals of Psycholinguistics 3 Hours

Survey of important theories and research in psycholinguistics, with emphasis on current problems.

PSY 387C Human Language Processing 3 Hours

An overview of current psycholinguistic research, primarily in the production and comprehension of spoken language by adults. A core course option.

PSY 187E, 387E Area Seminar in Perception, Brain, and Behavior

Psychology 1,3 Hours

Current issues in perception, brain, and behavior psychology.

PSY 387N Perceptual Systems 3 Hours

Overview of theory and research in visual perception and perceptual information processing.

PSY 387S Principles of Cognitive Neuroscience 3 Hours

Introduction of graduate students to the methods, theories, and research of cognitive neuroscience across a broad range of mental domains such as attention, memory, language, and decision making. A core course option.

PSY 388D Individual Differences Psychology 3 Hours

Person-to-person differences in cognitive abilities and personality, with emphases on genetic and environmental influences, developmental processes, and relations to real world outcomes. A core course option.

PSY 188E, 388E Area Seminar in Social and Personality Psychology 1,3 Hours

Current issues in social and personality psychology.

PSY 388K Conference on Special Topics 3 Hours

Readings, conferences, and other work on individually selected topics.

PSY 189E Area Seminar in Cognition, Brain and Behavior 1 Hour

Explore current issues in cognition, brain, and behavior.

PSY 389K Theory and Techniques of Assessment I 3 Hours

Introduction to intelligence and personality testing procedures, test interpretation, and ethical issues pertaining to clinical interviewing and testing. Includes instruction and feedback on clinical report writing.

PSY 389L Theory and Techniques of Assessment II 3 Hours

Clinical interviewing with adults and children. Observation and feedback for test administration and clinical skills.

PSY 190, 290, 390 Research 1-3 Hours

PSY 191E Area Seminar in Behavioral Neuroscience 1 Hour

Explore current issues in behavioral neuroscience.

PSY 391N Learning and Memory 3 Hours

Presentation of contemporary approaches to the study of conditioning and learning at the behavioral level. Focuses on empirical data and theoretical analysis of acquisition and performance in Pavlovian and instrumental conditioning. Includes discussion of habituation, sensitization, stimulus control, and other paradigms for studying cognitive processes in nonverbal organisms.

PSY 391P Issues and Controversies in Statistical and Scientific

Inquiry 3 Hours

Selected topics on the design and analysis of psychological research.

PSY 392N Fundamentals of Comparative Psychology 3 Hours

History and current status of comparative psychology, emphasizing several biological disciplines, including behavior genetics, ethology, evolutionary biology, and sociobiology.

PSY 393 Clinical Practicum I 3 Hours

Supervised practical experience in the use of clinical techniques.

PSY 393K Clinical Practicum II 3 Hours

Continuation of supervised practical experience in the use of clinical techniques.

PSY 394I Neuroinflammation in Health and Pathology 3 Hours
Assess cutting-edge pre-clinical and clinical neuroimmune research, and interact with professors from across campus in special seminars.

PSY 394K Fundamentals of Social and Personality Development 3 Hours
Survey of important theories, issues, and research in social and personality development.

PSY 394N Fundamentals of Cognitive Development 3 Hours
Survey of important theories, issues, and research in the development of perception, language, and cognition.

PSY 394P Topics in Seminars in Behavioral Neuroscience and Biopsychology 3 Hours

PSY 394P.1 Current Topics in Behavioral Neuroscience 3 Hours
Brain-behavior relationships, particularly recent research in behavioral neuroscience, including the anatomical and neurochemical mechanisms of behavioral events, and behavioral influences on the brain.

PSY 394P.13 Foundations of Human Neuroimaging 3 Hours
A survey of the foundations for neuroimaging research with a focus on cognitive neuroscience. Describes the physical methods of image acquisition and physiological mechanisms used for functional imaging. Emphasis on magnetic resonance methods for structural and functional imaging. Surveys other imaging modalities, including positron emission tomography (PET), optical, and EEG/MEG electrical source localization.

PSY 394P.16 Quantifying Brain Structure 3 Hours
Concepts and hands-on applications for quantifying aspects of brain and cellular structure, with a focus on stereological approaches.

PSY 394P.17 Behavioral Neuroendocrinology 3 Hours
Current research in neuroendocrinology, including action of neuroendocrine systems on behavior, assays of substances in the blood to identify gene products, and examination of stress from neuroendocrine, behavioral, health, and immunity perspectives.

PSY 394P.2 Clinical Psychopharmacology 3 Hours
Recent findings concerning the mechanisms of action and the behavioral effects of psychoactive drugs, particularly those used in psychiatry. Various drug types (such as sedative-hypnotics, hallucinogens, and drugs used to treat depression, schizophrenia, Parkinson's disease, and anxiety) and pathways in the brain are discussed to examine the neurochemical basis of psychiatric disorders and substance abuse.

PSY 394P.3 Neurobiology of Learning and Memory 3 Hours
Neuroanatomical systems that are functionally related to basic forms of learning and memory in mammals.

PSY 394P.4 Animal Communication 3 Hours

PSY 394P.7 Advanced Topics in Neuroanatomy 3 Hours
Neuroanatomical systems and functions across species; advanced forms of neuroanatomy in mammals.

PSY 194Q, 394Q Topics in Seminars in Clinical Psychology 1,3 Hours

PSY 194Q.17, 394Q.17 Seminar in Positive Psychology 1,3 Hours
A survey of the emerging field of positive psychology and well-being. Topics include character strengths and virtues, positive emotion, personality influences, motivation and goals, the happiness set point, and the issue of whether happiness can or should be changed.

PSY 194Q.18, 394Q.18 Research Methods in Clinical Psychology 1,3 Hours
Advanced training in research methodology as it pertains to the field of clinical psychology.

PSY 194Q.19, 394Q.19 History and Professional Issues in Clinical Psychology 1,3 Hours
History and development of clinical psychology as a profession. Includes clinical psychology before World War II, the recognition of stress, the rise of evidence-based practice, professional psychology, and multicultural diversity.

PSY 194Q.2, 394Q.2 Empirically Supported Interventions with Adults 1,3 Hours

PSY 194Q.20, 394Q.20 Diversity Issues in Research and Practice 1,3 Hours
Methodological considerations involved in designing research projects, and clinical assessment and treatment concerns that arise when working with diverse populations.

PSY 194Q.21, 394Q.21 Neuropsychological Assessment 1,3 Hours
Examine the administration and scoring of a wide variety of neuropsychological measures, as well as test interpretation, case conceptualization and report writing skills. Includes a variety of neurological syndromes and grand rounds case presentations.

PSY 194Q.4, 394Q.4 Advanced Practicum in Clinical Psychology 1,3 Hours

PSY 194Q.5, 394Q.5 Advanced Practicum in Clinical Neuropsychology 1,3 Hours

PSY 194Q.6, 394Q.6 Empirically Supported Interventions with Children 1,3 Hours

PSY 394S Topics in Seminars in Developmental Psychology 3 Hours

PSY 394S.2 Children's Racial/Gender Schemata 3 Hours

PSY 394S.3 Literacy Acquisition 3 Hours

PSY 394S.4 Psychological Processes in Family Violence 3 Hours

PSY 394S.5 Language and Conceptual Development 3 Hours

PSY 394S.6 Infant Perception and Cognition 3 Hours

PSY 394S.7 Professional Issues in Academia 3 Hours

PSY 394T Topics in Seminars in Evolutionary Psychology 3 Hours

PSY 394U Topics in Seminars in Cognitive or Perception Psychology 3 Hours

PSY 394U.12 Knowledge Representation 3 Hours
Psychological approaches to the ways in which information is stored and processed, focusing on how particular assumptions and mental representation make tasks either easy or difficult to perform.

PSY 394U.13 Reasoning and Decision Making 3 Hours
High-level cognitive processes of reasoning and decision making. Explores human rationality, analogical reasoning, causal reasoning, heuristics, and decision making in naturalistic settings.

PSY 394U.14 Topics in Systems Neuroscience 3 Hours
Focuses on one or two topics and examines them in depth through group discussions of key scientific manuscripts. Discusses both classical studies and contemporary research.

PSY 394U.15 Cognitive Neuroscience 3 Hours
Readings, results, and discussion regarding cutting-edge work in the field. Emphasis on how computational models can be used to bridge brain and behavior.

PSY 394U.16 Perception and Action 3 Hours
Current topics in visually guided behavior, including eye movements, attention, and motor control, from behavioral, computational, and neurophysiological approaches.

PSY 394U.17 Models of Cognition 3 Hours
Formal models of cognition and related analysis, such as model selection statistics and Bayesian hierarchical parameter fitting.

PSY 394U.18 Advanced Topics in Perceptual Systems 3 Hours
Readings, talks, and discussions on perceptual systems.

PSY 394U.19 Statistical Methods in Computational Neuroscience 3 Hours
Introduction to statistical and computational methods for understanding information processing in the nervous system, with emphasis on neural coding and statistical modeling of neural responses.

PSY 394U.20 Methods for fMRI 3 Hours
Covers preprocessing and statistical analysis methods of fMRI data with tutorials and laboratory exercises.

PSY 394U.3 Introduction to Cognitive Science 3 Hours

PSY 394U.4 Cognition 3 Hours

PSY 394U.6 Memory 3 Hours

PSY 394U.7 Speech Perception 3 Hours

PSY 394U.8 Topics in Vision and Hearing 3 Hours
Current research in human vision and/or hearing.

PSY 394U.9 Visual Perception 3 Hours

PSY 394V Topics in Seminars in Social and Personality Psychology 3 Hours

PSY 394V.10 Close Relationships 3 Hours
Social psychological theory and research on the topic of close relationships.

PSY 394V.11 Social Neuroscience 3 Hours
Introduction to psychological and neural foundational concepts in social neuroscience. Surveys current work in the field to examine how it may or may not contribute to the study of social psychology.

PSY 394V.12 Self and Identity 3 Hours
Broad overview of self-related theory and research, with an emphasis on recent developments in the field. Includes the nature and structure of the self and forms of self-knowledge. Also explores the relationship between the self and group processes, close relationships, and gender.

PSY 394V.13 Theory and Explanation in Social Psychology 3 Hours
Examine different theoretical approaches in social psychology and the ability to critically evaluate the range and the limits of social psychological explanations from a meta-theoretical perspective. Address meta-theoretical principles in the construction and evaluation of social psychological theories, classic and contemporary approaches to understanding social psychological phenomena, and current directions in social psychological theorizing.

PSY 394V.6 The Self 3 Hours

PSY 394V.7 Social Stereotypes 3 Hours

PSY 394V.8 Psychosomatic Processes 3 Hours
Survey of theories and findings concerning the links between psychological states and health. Includes emotion, stress, coping, psychoneuroimmunology, disclosure, and the social correlates of health and illness.

PSY 394V.9 Language and Personality 3 Hours
An exploration into computer-based methods used to study the links between word use and basic social and personality processes.

PSY 394W Foundations of Social Psychology 3 Hours
Examine key theories and research in social psychology, from classic to current approaches.

PSY 395S Fundamentals of Developmental Psychology 3 Hours
Emphasizes understanding the major theoretical approaches to the field, with an introduction to empirical work inspired by these theoretical perspectives.

PSY 396 Advanced Behavior Pathology 3 Hours
Evaluation of the experimental and theoretical literature concerning major behavioral disorders.

PSY 396C Child and Adolescent Psychopathology 3 Hours
The epidemiology, etiology, associated features, developmental course, and prognosis of childhood and adolescent behavior disorders.

PSY 396D Clinical Psychopharmacology 3 Hours
Recent findings concerning the mechanisms of action and the behavioral effects of psychoactive drugs, particularly those used in psychiatry.

PSY 698 Thesis 6 Hours

PSY 398T Supervised Teaching in Psychology 3 Hours
Introduction to the teaching of psychology, including basic principles of adequate preparation, clear organization, student-teacher rapport, effective use of class time, clear and engaging communication of course content, fair and effective evaluation of students' understanding of subject matter, and ethical behavior. Also addresses issues concerning the relations of individual courses to other college courses, specific types of instruction (e.g., writing instruction), and the broad goals of colleges and universities.

PSY 399W, 699W, 999W Dissertation 3,6,9 Hours