PSYC - PSYCHOLOGY

PSYC100 Introduction to Psychology (3 Credits)
A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.

PSYC111 The Psychology of Unethical Conduct (1 Credit)
An exploration of the University of Maryland's 10 Principles of Ethical and Responsible Conduct (http://www.responsibleconduct.umd.edu) and the reasons why unethical conduct might occur. Covers a broad range of psychological theories and research with the focus on applying the science for a more ethical life, campus and community.

Additional Information: Online and self-paced course open to all majors.

PSYC123 The Psychology of Getting Hired (1 Credit)
Designed to introduce students to the science behind the hiring process and to prepare individuals with the academic and practical training required. Together we will explore psychological principles that influence the selection process and how individuals can apply them for the competitive edge that makes others Fear the Turtle!

Restriction: Must not be in a Robert H. Smith School of Business degree program.

Additional Information: Cannot be used in place of BMGT367 toward a degree program in the Robert H. Smith School of Business.

PSYC138 Special Topics in Study Abroad I (1-6 Credits)
Special topics course taken as part of an approved study abroad program.

Repeatable to: 15 credits if content differs.

PSYC200 Statistical Methods in Psychology (3 Credits)
A basic introduction to quantitative methods used in psychological research.

Prerequisite: PSYC100. And 1 course with a minimum grade of C- from (MATH107, MATH111, MATH120, MATH130, MATH136, MATH140, STAT100); or must have completed MATH220 with a minimum grade of C.

Credit Only Granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, INST314, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).

PSYC206 Developmental Biopsychology (3 Credits)
Biological basis of behavioral development in relation to genetic, constitutional, anatomical, physiological, and environmental factors. Emphasis upon both phylogenetic and ontogenetic research findings in biological psychology.

Prerequisite: PSYC100.

PSYC210 Personality and Temperament: Developmental Origins, Brain Bases, and Clinical Implications (3 Credits)
What is known about what makes each of us unique? How do these differences contribute to enduring differences in health & wealth? We will review recent research in humans and non-humans aimed at understanding the psychological & biological mechanisms underlying stable individual differences in personality. We will discuss the phylogenetic and ontogenetic origins of temperament, measurement issues, fundamental dimensions of personality across the lifespan, neurobiological substrates of temperament/personality, mechanisms contributing to stability and change, implications for psychopathology, & broader implications for public/macroeconomic policy.

Prerequisite: PSYC100.

Restriction: Must be in Psychology program.

PSYC221 Social Psychology (3 Credits)
The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.

Prerequisite: PSYC100.

PSYC238 Special Topics in Study Abroad II (1-6 Credits)
Special topics course taken as part of an approved study abroad program.

Repeatable to: 15 credits if content differs.

PSYC300 Research Methods in Psychology Laboratory (4 Credits)
A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field.

Prerequisite: PSYC200.

Restriction: Must be in Psychology program.

Credit Only Granted for: PSYC300 or PSYC309R.

Formerly: PSYC309R.

PSYC301 Biological Basis of Behavior (3 Credits)
Recent advances in neuroscience are radically changing our understanding of how the brain works. The course first introduces the structure of the nervous system and the electrical and chemical signals at the core of brain function. Students then explore how the nervous system gathers and makes sense of information from the world around us. The last portion of the course focuses on plasticity, the concept that our brains are constantly changing, and its implications for nervous system development, memory, sexual behavior, sleep, and other complex behaviors.

Prerequisite: PSYC100. And BSCI170 and BSCI171; or BSCI105.

PSYC302 Fundamentals of Learning and Behavior (3 Credits)
Overview of the fundamental types of learning that occur without formal instruction. The course covers fundamentals of classical and instrumental conditioning as studied in a variety of species in addition to more modern theories of learning. We will then explore how these principles influence diverse processes such as memory, attention, extinction, categorization, motivation, and in some cases, how they are implemented in the brain and disrupted in disease.

Prerequisite: PSYC100. And BSCI170 and BSCI171; or BSCI105.

Restriction: Restricted to psychology majors during the registration period. All other majors will be placed on a hold file.

Credit Only Granted for: PSYC309F or PSYC302.

Formerly: PSYC309F.
PSYC332 Psychology of Human Sexuality (3 Credits)
A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.
Prerequisite: PSYC100.
PSYC356 Psychology of Adolescence (3 Credits)
A description of adolescent development based on research and theory interrelating psychological, intellectual, and social changes during the teen years and the systems dealing with those changes.
Prerequisite: PSYC100.

PSYC361 Survey of Industrial and Organizational Psychology (3 Credits)
A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes.
Prerequisite: PSYC100.

PSYC362 Introduction to Negotiation (3 Credits)
Overview of the field of negotiation and the social-psychological and contextual factors that facilitate and inhibit successful negotiation agreements. Students will engage in a variety of negotiation exercises individually and as a team.
Prerequisite: PSYC221 or PSYC361; or permission of BSOS-Psychology department.
Restriction: Must be in Psychology program.
Credit Only Granted for: PSYC309F or PSYC362.
Formerly: PSYC309F.
Additional Information: Restricted to PSYC majors during preregistration.

PSYC389 Experiential Learning (1-6 Credits)
Internship in psychology-related fields.
Prerequisite: PSYC100; and permission of BSOS-Psychology department; and 9 credits in PSYC courses.
Restriction: Minimum cumulative GPA of 2.8; and must have earned a minimum 3.0 Psychology GPA.
Formerly: PSYC386.

PSYC401 Biological Bases of Behavior Laboratory (4 Credits)
Students will study some of the key concepts in neuroscience by combining behavioral experiments with electrode recording from neurons controlling the behaviors. We will intensively examine concepts like creation of rhythmic behaviors (walking, flight), neurotransmitters control of aggression, drug effects on synaptic activity, high-speed neural circuits for effective escape from predators, and CNS maps in the visual system for directing prey capture. Students will learn microsurgery and a broad range of neural recording techniques. We work with animals (invertebrates, cold-blooded vertebrates) every week. A strong biology background will be beneficial.
Prerequisite: PSYC300; and (PSYC301 or BSCI353).
Restriction: Permission of instructor; and must be in Psychology program; and must have earned a minimum of 85 credits.

PSYC402 Neural Systems and Behavior (3 Credits)
Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.
Prerequisite: PSYC301.
Additional Information: Priority is given to PSYC majors.

PSYC403 Animal Behavior (3 Credits)
Reviews the theoretical framework underlying the study of animal behavior. The genetic, hormonal and physiological basis of behavior, and the relation to ecological and evolutionary processes will be discussed using examples that range from invertebrate animals to humans.
Prerequisite: PSYC301.

PSYC404 Introduction to Behavioral Pharmacology (3 Credits)
Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.
Prerequisite: PSYC301.
Restriction: Must be in Psychology program.

PSYC406 Neuroethology (3 Credits)
A merger between the disciplines of neuroscience and ethology (animal behavior) studies the behavioral functions of nervous systems using a comparative and evolutionary approach. Students will learn how the nervous system controls behavioral patterns in a variety of different organisms ranging from insects to mammals.
Prerequisite: PSYC301.
Restriction: Must be in Psychology program.

PSYC407 Behavioral Neurobiology Laboratory (4 Credits)
How does the nervous system control behavior? We will address this question using simple behavioral experiments combined, in some exercises, with microsurgery and electrode recordings in the nervous system. Concepts studied will include CNS plasticity, the role of proprioception in controlling movement, cortical processing and the myth multitasking, sensory resolution by measuring receptive field sizes, activity of simple neural circuits controlling escape from predators, and the effects of neuromodulators on aggression. Animals used are all invertebrates.
Prerequisite: PSYC300 and PSYC301; and permission of instructor.
Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

PSYC409 Topics in Neurosciences Seminar (1 Credit)
Current research in neurosciences will be presented, read, and discussed. Emphasis will change each term.
Restriction: Permission of BSOS-Psychology department; and junior standing or higher.
Repeatable to: 4 credits if content differs.

PSYC411 Introduction to Functional Magnetic Resonance Imaging (3 Credits)
An introduction to functional magnetic resonance imaging (fMRI). Students will be taught about formulating testable hypotheses with fMRI, utilizing basic methods in fMRI studies, and understanding existing limitations of fMRI studies in the literature.
Prerequisite: PSYC200, PSYC301, and PSYC300.
Restriction: Must be in a major within BSOS-Psychology department.
Credit Only Granted for: PSYC309N or PSYC411.
Formerly: PSYC309N.

PSYC413 Developmental Cognitive/Social Neuroscience (3 Credits)
Developmental cognitive/social neuroscience is the study of how the brain underlies the acquisition, refinement, and maintenance of complex cognitive and social abilities. The goal of this course is to gain an understanding of current research, methods, and theories in developmental cognitive/social neuroscience through lecture and discussion.
Prerequisite: PSYC355 or PSYC301; or permission of instructor.
Restriction: Restricted to psychology majors and neuroscience minors during the registration period. All other students can reserve a position on the hold file, and will be offered a seat on a space-available basis.
Credit Only Granted for: PSYC309D, PSYC309H, or PSYC413.
Formerly: PSYC309D, PSYC309H.
PSYC414 Science of Sleep and Biological Rhythms (3 Credits)
Sleep is a powerful, inescapable, misunderstood, and mysterious presence in our lives. The course will begin with a review of the basics of sleep and biological rhythms with a focus on the underlying neurobiology. The bulk of the semester will be in-depth discussions of topics in sleep and circadian rhythms primarily chosen by the students. A few examples: narcolepsy, sleep in primitive cultures, lucid dreaming, racial and cultural differences in sleep and sleep disorders, the biology of sleep and circadian rhythms during adolescence, CNS control of dreaming, sleep and states of consciousness, sleeping to remember vs. sleeping to forget, legal ramifications of parasomnias, e.g. sleepwalking, and the relationships between sleep deprivation and obesity.
Prerequisite: Permission of instructor; or (PSYC100 and PSYC301).
Restriction: Must be in a major within the BSOS-Psychology department; and restricted to psychology majors during the registration period. All other majors will be placed on a hold file.

PSYC416 Development of Attachment in Infancy and Childhood: Theory, Research, Methods, and Clinical Implications (3 Credits)
Overview of the development of attachment during infancy and childhood, examining theory, research methods, research findings, and clinical implications. Students will observe videos of attachment assessments, lead class discussion of readings, make class presentations, and complete writing assignments.
Prerequisite: PSYC355; or permission of instructor.
Restriction: Must be in a major within the BSOS-Psychology department.
Credit Only Granted for: PSYC309J or PSYC416.
Formerly: PSYC309J.

PSYC417 Introduction to Programming and Advanced Data Analysis for Non-Quantitative Majors (4 Credits)
A large number of industry and academic jobs require basic programming and data analysis skills. This class represents an introduction to both. Students will learn to program in R and will briefly be introduced to Python, the two most popular programming languages for data science. Common constructs shared by a variety of procedural programming languages will be emphasized. Basic statistics and probability theory will be reviewed from a computational perspective, and more advanced topics introduced. During the course, students will simulate toy data sets which they will then analyze knowing how the data came about, as well as work with real data. The class is highly hands-on with a large number of in-class lab and homework projects. Expect to work a lot and move quickly. Because of the hands-on nature of the class, the overall focus is more on application and execution rather than theory. However, some theory is covered at a high level so that students are aware of why they are doing something, rather than mindlessly writing code.
Prerequisite: PSYC200 and PSYC300; and (MATH120, MATH130, or MATH140).

PSYC420 Experimental Psychology: Social Psychology Laboratory (4 Credits)
A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes.
Prerequisite: PSYC300 and PSYC221.
Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

PSYC423 Advanced Social Psychology (3 Credits)
A systematic review of research and points of view in regard to major problems in the field of social psychology.
Prerequisite: PSYC420.

PSYC424 Communication and Persuasion (3 Credits)
Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence.
Prerequisite: PSYC221 and PSYC200.

PSYC425 Psychology and Law (3 Credits)
An introduction to the intersection of psychology and the criminal justice system, known as the field of legal psychology. The material covered will span the course of the criminal justice process and examine each aspect from a psychological perspective beginning with profiling and moving on to eyewitness memory and judgements through perpetrator memories and interrogation techniques. These aspects will be evaluated with a research lens as well as an applied outlook.
Prerequisite: PSYC100, PSYC200, and PSYC300.
Restriction: Must be in Psychology program.
Credit Only Granted for: PSYC309K, PSYC325, or PSYC425.
Formerly: PSYC309K.

PSYC432 Counseling Psychology: Theories, Research, and Practice (3 Credits)
Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.
Prerequisite: PSYC200.

PSYC433 Basic Helping Skills: Research and Practice (4 Credits)
Theories and research regarding effective helping relationships, with a focus on applications to counseling and psychotherapy. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Attendance in labs is mandatory and contributes to the course grade; thus, students should only enroll in a lab section that they will be able to attend consistently.
Prerequisite: PSYC300.
Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits; and must not have completed or be concurrently enrolled in EDCP 310.
Credit Only Granted for: EDCP210, EDCP310, or PSYC433.

PSYC435 Theories of Personality and Psychotherapy (3 Credits)
Major theories of personality and research methods and findings relevant to those theories.
Prerequisite: PSYC200.

PSYC436 Introduction to Clinical Psychology: From Science to Practice (3 Credits)
Critical analysis of clinical psychology, with particular emphasis on current developments and trends.
Prerequisite: PSYC300.

PSYC437 The Assessment and Treatment of Addictive Behaviors (3 Credits)
Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.
Prerequisite: PSYC100; and 9 credits in PSYC courses.
Credit Only Granted for: PSYC437.
Formerly: PSYC309E.

PSYC438 Special Topics in Study Abroad IV (1-6 Credits)
Special topics course taken as part of an approved study abroad program.
Repeatable to: 15 credits if content differs.
PSYC440 Experimental Psychology: Cognitive Processes and Legal Applications (4 Credits)
A survey of the content, models, and methods in cognitive psychology with an emphasis on attention and encoding, recall, recognition, judgment, signal detection theory, and applying cognitive theories to situations in the legal system. Students integrate scientific theories with real-life legal situations. Course topics include research methodology in assessing and addressing cognitive mechanisms and how this understanding may help eyewitness and victim recall and recognition, perpetrator recall, assessing scientific theories of repression, and real life examples.
Prerequisite: PSYC341 and PSYC300.
Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

PSYC442 Psychology of Language (3 Credits)
Introductory survey of the psychology of language, focusing on the cognitive processes that enable us to produce and understand language. Topics include speech perception, speech production, syntactic processing, language development, language disorders, and the brain bases of language.
Prerequisite: PSYC300 and PSYC341.
Restriction: Must be in Psychology program.

PSYC444 Cyberpsychology: The Psychology of Human/Computer Interactions (3 Credits)
Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology.
Prerequisite: PSYC200.
Credit Only Granted for: PSYC309E or PSYC444.
Formerly: PSYC309E.

PSYC445 The Psychology of Video Games and Entertainment (3 Credits)
An exploration of the diverse elements and theories in the psychology of video games and entertainment. The history and taxonomy of video games, cognitive and affective elements, virtual reality and social presence, video game violence, and educational and ethical issues will be covered.
Prerequisite: PSYC200.
Restriction: Must be in Psychology program; or permission of BSOS-Psychology department.
Credit Only Granted for: PSYC309V or PSYC445.
Formerly: PSYC309V.

PSYC450 Field Research in Organizational Psychology (4 Credits)
Methods of field research applicable to organizational settings are examined, including field experiments and quasi-experiments, observation, interviewing, surveys, content analysis, and various forms of qualitative inquiry.
Prerequisite: PSYC300 and PSYC361.
Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

PSYC455 Cognitive Development (3 Credits)
Theory and research on cognition from a developmental perspective. This discussion-based seminar will emphasize readings on infancy through early childhood. Topics will include general abilities such as memory and categorization, as well as children's emerging knowledge about the physical and social worlds.
Prerequisite: PSYC300; and PSYC355. Or permission of instructor.
Restriction: Must be in Psychology program.

PSYC456 Research Methods in Developmental Psychology Laboratory (4 Credits)
A presentation of major research designs used in developmental psychology and of the methodology used in developmental research, such as observational research, program evaluation, and laboratory experimentation.
Prerequisite: PSYC300; and permission of BSOS-Psychology department.
Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

PSYC457 Consensual Qualitative Research Methods Laboratory (4 Credits)
An exploration of philosophy of science and methods involved in qualitative research methods in counseling psychology, along with a comparison to quantitative research methods. The laboratory component involves conducting a qualitative study, including reviewing the literature, designing an interview protocol, training to conduct interviews, conducting interviews, analyzing the data, and writing a manuscript.
Prerequisite: PSYC200 and PSYC300; and permission of BSOS-Psychology department.
Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.
Credit Only Granted for: PSYC457 or PSYC498H (taken in Fall 2010 or Fall 2011).
Formerly: PSYC498H.

PSYC460 Psychological Foundations of Personnel Selection and Training (3 Credits)
An examination of issues and processes involved in the design and evaluation of personnel selection and training programs in a variety of organizational settings: job, person and organizational analysis; organizational choice; development of predictors; evaluation of instructional and training systems; criteria for performance evaluation, promotion and training.
Prerequisite: PSYC361 and PSYC200.

PSYC464 Psychology of Leaders in Work Organizations (3 Credits)
The psychological assumptions and implications of various theories of management and leadership. Selections and training; development of careers; influence processes; change of managerial behavior; and the impact of the larger environment, nature of product or service, and organization structure on managerial behavior.
Prerequisite: PSYC200 and PSYC361.

PSYC468 Field Experience and Special Assignments in Honors (1-3 Credits)
An individual experience arranged by the honors student and his or her supervisor. A proposal submitted to the honors faculty in the semester preceding registration for the course should state the activities anticipated and the method of evaluation.
Prerequisite: Must have permission of supervisor and honors faculty.
Restriction: Permission of BSOS-Psychology department.
Repeatable to: 6 credits.

PSYC469 Honors Thesis Proposal Preparation (3 Credits)
Development of honors thesis proposal by preliminary research and literature review. Presentation of formal proposal to the thesis committee.
Restriction: Permission of BSOS-Psychology department.
Repeatable to: 3 credits.
PSYC478 Independent Study in Psychology (1-3 Credits)

PSYC479 Special Research Problems in Psychology (1-3 Credits)

PSYC488 Advanced Psychology I (Honors) (3 Credits)
Seminar covering topics in sensation, perception, learning, and motivation.
Prerequisite: PSYC200.
Restriction: Permission of BSOS-Psychology department.

PSYC489 Advanced Special Topics in Psychology (3 Credits)
Treatment of a specialized topic in psychology.
Prerequisite: PSYC300.
Repeatable to: 9 credits if content differs.

PSYC498 Advanced Psychology II (Honors) (3 Credits)
Seminar covering topics in measurement, social processes, developmental processes and other subject matter of current interest.
Prerequisite: PSYC488; or permission of BSOS-Psychology department.

PSYC499 Honors Thesis Research (3 Credits)