PSY - Psychology

Courses numbered 100 to 299 = lower-division; 300 to 499 = upper-division; 500 to 799 = undergraduate/graduate.

PSY 111. General Psychology (3).
General education social and behavioral sciences introductory course. Introduces the general principles and areas of psychology. Includes learning, perceiving, thinking, behavioral development, intelligence, personality and abnormalities of behavior. Course is a prerequisite for advanced and specialized courses in psychology.

PSY 111H. General Psychology Honors (3).
General education social and behavioral sciences introductory course. Introduces the general principles and areas of psychology. Includes learning, perceiving, thinking, behavioral development, intelligence, personality and abnormalities of behavior. Course is a prerequisite for advanced and specialized courses in psychology.

PSY 150. Workshop in Psychology (1-4).
Workshops in a variety of psychology topics. Different topics are indicated by a letter following the course number.

PSY 301. Psychological Statistics (3).
Introduces basic quantitative techniques for the description and measurement of behavior, as well as tests for making decisions regarding the compatibility of data to scientific hypotheses. Covers probability models, t, chi square and F. Prerequisites: PSY 111.

3 Classroom hours; 3 Lab hours. Covers the philosophy of research methods, experimental designs, appropriate data analysis techniques, and historical trends and developments in experimental psychology. The laboratory exposes students to representative experimental lab techniques in the major subdivisions of psychology. Actively involves all students in research project(s). Prerequisite: PSY 301.

PSY 320. Biological Psychology (3).
General education social and behavioral sciences advanced further study course. A review of the biological foundations of cognition and behavior. Includes evolutionary influences on brain and behavior, the role of hormones in cognition and behavior, neurochemical correlates of cognition and behavior, and recent advances in cognitive neuroscience. Prerequisite: PSY 111.

PSY 321. Psychology of Learning (3).
General education social and behavioral sciences advanced further study course. Explores basic principles of how organisms learn and highlights key concepts such as reinforcement and punishment, generalization of behavior across settings, and extinction of specific behaviors. Important research, theoretical issues and current trends are discussed. Prerequisite: PSY 111.

PSY 322. Cognitive Psychology (3).
General education social and behavioral sciences advanced further study course. Presents a coherent picture of human memory and cognition within the framework of the information-processing approach and as a function of neural activity. This approach views the individual as an active, constructive planner in remembering and organizing new and prior learned knowledge. The study of attention, memory, thought, decision-making and problem-solving processes are included. Prerequisite: PSY 111.

PSY 323. Social Psychology (3).
General education social and behavioral sciences advanced further study course. Studies perception of self, others and groups. Includes attitude formation and change, group processes like conformity, compliance and conflict, and interpersonal processes such as attraction and the formation of close relationships. Also includes the application of social psychological principles to the study of prosocial and aggressive behavior. Prerequisite: PSY 111.

PSY 323H. Social Psychology Honors (3).
General education social and behavioral sciences advanced further study course. Studies perception of self, others and groups. Includes attitude formation and change, group processes like conformity, compliance and conflict, and interpersonal processes such as attraction and the formation of close relationships. Also includes the application of social psychological principles to the study of prosocial and aggressive behavior. Prerequisite: PSY 111.

PSY 324. Psychology of Personality (3).
General education social and behavioral sciences advanced further study course. Examines psychoanalytic, behavioral, trait and other contemporary theories of human personality. Gives consideration to major factors influencing personality, results of research in the area, ways of assessing personality, and some of the methods of treating personality disorders. Presents and discusses case studies. Prerequisite: PSY 111.

PSY 324H. Psychology of Personality Honors (3).
General education social and behavioral sciences advanced further study course. Examines psychoanalytic, behavioral, trait and other contemporary theories of human personality. Gives consideration to major factors influencing personality, results of research in the area, ways of assessing personality, and some of the methods of treating personality disorders. Presents and discusses case studies. Prerequisite: PSY 111.

PSY 325. Developmental Psychology (3).
General education social and behavioral sciences advanced further study course. Descriptive survey of human development from conception to death emphasizing the interplay of environmental, genetic and cultural determinants of development. Selected topics emphasized and elaborated by demonstrations and class projects. Prerequisite: PSY 111.

PSY 327. Systems and Theories in Psychology (3).
Includes behaviorism, Gestalt psychology and structuralism. Attempts to develop the logical relations of these theories to each other as well as to common historical themes and current issues. Prerequisite: PSY 111.

PSY 328. Psychological Testing and Measurement (3).
A critical analysis of the psychological foundations of tests and the interpretation of test findings. Surveys several tests representing the areas of intelligence, personality, normal and abnormal psychology, interests, special abilities and aptitudes to illustrate general principles of testing. Prerequisite: PSY 301.

PSY 403. Introduction to Individual Counseling (3).
Surveys contemporary theories and techniques of individual counseling. Compares various theoretical approaches and includes practical applications of each theory studied. Introduces professional and ethical issues involved in individual counseling. Emphasizes the therapeutic relationship, effective listening, issues surrounding defense mechanisms, and crisis intervention. Prerequisite: PSY 111.

PSY 404. Psychology of Aging (3).
General education social and behavioral sciences advanced further study course. Cross-listed as AGE 404. Examines the issues surrounding the adult aging process. Includes personality and intellectual change, mental health of the elderly, and the psychological issues of extending human life. Emphasizes the strengths of the elderly and preventing the psychological problems of the elderly. Prerequisite: PSY 111.
PSY 405. Human Factors Psychology (3).
The study of how people respond to the demands of complex machines and the varied environments of workplace, home and other settings. Introduces the tools and methods of machine, task and environment design to achieve the matching of human capabilities and the demands of machines and environments so as to enhance human performance and well being. Prerequisite: PSY 111.

PSY 406. Introduction to Community Psychology (3).
General education social and behavioral sciences advanced further study course. Reviews the historical, societal, theoretical and empirical bases of community psychology which focuses on interdisciplinary approaches to improving lives in community settings. Presents contemporary models of community psychology, including the ecological and social action perspectives. Includes social support, self-help, social policy, prevention, community development, and program development and evaluation. Course includes diversity content. Prerequisite: PSY 111.

PSY 409. Psychology of Perception (3).
General education social and behavioral sciences advanced further study course. Explores current research and theory in perception and sensation. Emphasizes how organisms come to perceive and understand their environments with regard to perception of space, form, objects and events. Prerequisite: PSY 111.

PSY 410. Substance Use & Abuse (3).
General education social and behavioral sciences advanced further study course. Studies the individual, social and cultural aspects of alcohol and other legal and illegal drug use and abuse. Investigates both nonproblem and problem substance use, treatment of alcoholism and other drug addictions, prevention of abuse, addiction and abuse-related problems, and the needs of special populations. Prerequisite: PSY 111.

PSY 413. Leadership in Self and Society (3).
General education social and behavioral sciences advanced issues and perspectives course. Cross-listed as HP 408. Examines principles and competencies of adaptive leadership. Uses experiential methods so that the classroom serves as a learning laboratory where students practice leadership. Helps those students who care about making a difference in this world discover how they can become more effective in personal, community and professional settings.

PSY 413H. Leadership in Self and Society Honors (3).
General education social and behavioral sciences advanced issues and perspectives course. Cross-listed as HP 408H. Examines principles and competencies of adaptive leadership. Uses experiential methods so that the classroom serves as a learning laboratory where students practice leadership. Helps those students who care about making a difference in this world discover how they can become more effective in personal, community and professional settings.

PSY 414. Child Psychology (3).
General education social and behavioral sciences advanced further study course. Covers psychological development from conception through infancy and childhood. Includes the development of language, perceptual and cognitive functioning, social-emotional attachment, and socialization. Attention to practical issues of discipline and child rearing. Prerequisite: PSY 111.

PSY 416. Psychology and Problems of Society (3).
General education social and behavioral sciences advanced issues and perspectives course. A study of the special role of psychological theory, research and principles applied to contemporary social issues and problems such as environmental concerns, problems in the schools, substance abuse, nuclear proliferation, racism/sexiem, mental illness, child abuse, juvenile delinquency, aggression, behavioral control, aging, technology, etc. Course includes diversity content. Prerequisite: PSY 111.

PSY 428. Field Work In Psychology (1-3).
Special projects and practicums under supervision in public and/or private agency settings. Psychological study, observation, service and/or research may be undertaken with prior approval by the department. Repeatable for a total of 6 credit hours, but only 3 hours may be earned per semester. Prerequisites: PSY 111 and departmental consent.

PSY 470. Abnormal Child and Adolescent Psychology (3).
Designed to introduce the wide-ranging theories of developmental psychopathology in adults, children and adolescents. Topics will include the major DSM-5 diagnostic categories as well as research and treatment. Focuses heavily on major forms of atypical development in childhood and adolescence. These include disorders of behavior (e.g., attention-deficit hyperactivity disorder, oppositional disorder) disorders of emotion (e.g., anxiety and depression), developmental and learning problems (e.g., autism, communication and learning disorders), and problems related to physical and mental health (e.g. health related disorders, eating disorders). You will learn about the defining characteristics, associated features, possible causes, theoretical formulations, research evidence, and current approaches to intervention and prevention for a wide range of child and adolescent disorders. We will trace the possible development course of each disorder covered and show how biological, psychological, and socio-cultural factors interact with the child (and adults) environment to determine its expression.

PSY 481. Cooperative Education (1-3).
Provides practical experience, under academic supervision, that complements the student's academic program. Consultation with, and approval by, an appropriate faculty sponsor are necessary.

PSY 508. Psychology Tutorial (1-3).
Selected topics in psychology. Repeatable for a total of 6 credit hours. Instructor's consent may be required. Check Schedule of Courses. Prerequisite: PSY 111.

PSY 508AB. Psychology of Video Games (3).
An introduction to psychological research and how it pertains to video games. This course will cover game design from the perspective of psychological research, both in academic fields such as perception and attention and also user experience research found in the game development industry. Prerequisite: PSY 111.

PSY 511. Introduction to School Psychology (3).
Cross-listed as CLES 511. Introduces students to a career in school psychology. School psychologists work in schools to solve students' academic and behavioral problems through consultation, assessment and intervention. Course examines the roles and functions of school psychologists, the methods used to address students' psychoeducational needs, and the school and community systems within which they operate. Course includes diversity content.

PSY 512. Exploring Concepts and Careers in Educational Psychology (3).
Cross-listed as CLES 512. Explores the field of educational psychology and its application in different areas, such as teaching, learning, coaching, training, assessment and research. Introduces students to the wide variety of careers in educational psychology. Also introduces students to the practical application of educational psychology by considering topics such as cognition (problem solving, memory, decision making), behavioral learning principles, motivation, human development, curriculum development, assessment, basic research design, and the role of research. Course includes diversity content.
PSY 534. Psychology of Women (3).
*General education social and behavioral sciences advanced issues and perspectives course.* Cross-listed as WOMS 534. Psychological assumptions, research and theories of the roles, behavior and potential of women in contemporary society. *Course includes diversity content.* Prerequisite: PSY 111.

PSY 544. Abnormal Psychology (3).

PSY 556. Introduction to Clinical Psychology (3).
A survey of current ethical, conceptual and research issues involved in the assessment and treatment of psychopathology. Reviews contemporary psychotherapies emphasizing the relative efficacy of each and the therapeutic mechanisms through which they initiate behavioral change. Prerequisite: PSY 324.

PSY 559. Successful Aging: Theory, Research and Practice (3).
Cross-listed as AGE 559, SCWK 559, and SOC 559. Reviews current interventions which promote successful aging. Theoretical bases of this work in biomedical and life span/developmental psychology are featured. Intended for students in the College of Health Professions, Liberal Arts & Sciences and Engineering. *Course includes diversity content.* Prerequisite: AGE 100, or PSY 111, or SCWK 201, or SOC 111.

PSY 568. Computer Applications to the Behavioral Sciences (3).
Introduction to state of the art programming environments designed for psychological research. Students learn how to perform basic statistical analyses, program visual and auditory experiments, and analyze data. Applications include such areas as mathematical modeling and creating experiments. Previous programming experience is encouraged, but not required. Repeatable for credit with a change of content. Prerequisite: 9 hours in the social sciences.

PSY 608. Special Investigation (1-3).
Upon consultation with instructor, advanced students with adequate preparation may undertake original research or directed readings in psychological problems. Repeatable for a total of 6 credit hours. Requires consultation with, and approval by, appropriate adviser prior to registration. Prerequisites: 9 hours in psychology and instructor's consent.

PSY 727. Selected Topics in Human Factors Psychology (3).
Introduction to one of several special topics in the area of human factors. Students review relevant literature and learn theory and application of specific methodologies in a variety of work environments. Repeatable for credit. Prerequisite: instructor's consent.

PSY 750. Psychology Workshop (1-3).
Specialized instruction, using various formats in selected topics and areas of psychology.