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 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 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. Honors section.

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 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 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 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 advanced further study course. The study of 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 advanced further study course. The study of 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. Honors section. Prerequisite: PSY 111.

PSY 324. Psychology of Personality (3).
General education advanced further study course. An examination of 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 advanced further study course. An examination of 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. Honors section. Prerequisite: PSY 111.

PSY 325. Developmental Psychology (3).
General education 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 advanced further study course. Cross-listed as AGE 404. An examination of 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. Special emphasis on the strengths of the elderly and prevention of 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 advanced further study course.* A review of 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 advanced further study course.* An exploration of 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 advanced further study course.* Study of 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 412. Psychology of Motivation** (3).
*General education advanced further study course.* Examines the psychological and biological forces leading to goal-directed acts to understand the complexity of influences on behavior. Motivational topics include reward and punishment, stress, aggression, achievement and the role of the brain structures in influencing organized behavior. Prerequisite: PSY 111.

**PSY 413. Leadership in Self and Society** (3).
*General education advanced issues and perspectives course.* Cross-listed as HMCD 308. Examines factors influencing the effectiveness of individuals leading change, including values, conflict and power. Studies the human side of organizational change focusing on understanding how and why people react to change, and identifying opportunities for enhancing the effective implementation of change. Students reflect on their own leadership development and work in teams to recommend public health strategies for change in a project, community setting or organization.

**PSY 413H. Leadership in Self and Society - Honors** (3).
*General education advanced issues and perspectives course.* Cross-listed as HMCD 308. Examines factors influencing the effectiveness of individuals leading change, including values, conflict and power. Studies the human side of organizational change focusing on understanding how and why people react to change, and identifying opportunities for enhancing the effective implementation of change. Students reflect on their own leadership development and work in teams to recommend public health strategies for change in a project, community setting, or organization. Honors section.

**PSY 414. Child Psychology** (3).
*General education 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 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/sexism, 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 maximum of 6 credit hours, but only 3 hours may be earned per semester. Graded Cr/NCr. Prerequisites: PSY 111 and departmental consent.

**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. Graded Cr/NCr.

**PSY 481N. Internship** (1-3).
Complements and enhances the student's academic program by providing an opportunity to apply and acquire knowledge in a workplace environment as an intern. Graded Cr/NCr.

**PSY 506. Psychology of Helping Relations** (3).
Cross-listed as NURS 567 and SOC 506. Introduces students to a psychological perspective on helping relationships that is useful in both practice and research. Topics covered include the definition of relationship, and identification of the ways in which the roles of helper and help seeker can be structured to maximize effectiveness: e.g., power, distance, similarity and reciprocity. Relationships of interest include: counseling and psychotherapy, nursing and doctoring, family caregiving, mentoring, self-help, mutual aid, and volunteering. The emerging topic of “relationship-centered care models” in the education of health care professionals is discussed. Prerequisite: 6 hours in psychology including PSY 111 or instructor's consent.

**PSY 506H. Psychology of Helping Relations - Honors** (3).
Cross-listed as NURS 567 and SOC 506. Introduces students to a psychological perspective on helping relationships that is useful in both practice and research. Topics covered include the definition of relationship, and identification of the ways in which the roles of helper and help seeker can be structured to maximize effectiveness: e.g., power, distance, similarity and reciprocity. Relationships of interest include: counseling and psychotherapy, nursing and doctoring, family caregiving, mentoring, self-help, mutual aid, and volunteering. The emerging topic of “relationship-centered care models” in the education of health care professionals is discussed. Honors section. Prerequisite: 6 hours in psychology including PSY 111 or instructor's consent.

**PSY 508. Psychology Tutorial** (1-3).
Selected topics in psychology. Repeatable for a maximum of 6 hours credit. Instructor's consent may be required. Check Schedule of Courses. 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
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 514. Psychology of Health and Illness (3).
A survey of the relationships between psychology/behavior and physical health and illness. Includes stress and coping, health habits, symptom perception, health care provider-client relationships, hospitalization and prevention. May include a self-study of lifestyle and behavior in relation to health and illness. Prerequisite: PSY 111.

PSY 516. Drugs and Human Behavior (3).
General education advanced further study course. A survey of the actions and effects of use of legal and illegal psychoactive drugs and of the use of prescription drugs in the treatment of psychological disorders. Details social-cultural, personal, and situational determinants and consequences of drug use and abuse. Prerequisite: PSY 111.

PSY 534. Psychology of Women (3).
General education 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 536. Behavior Modification (3).
A study of the basic assumptions, principles and issues of behavioral approach to helping persons with psychological problems. Includes demonstration and individualized practice in general helping skills as well as individual projects in applying these skills. Course includes diversity content. Prerequisites: PSY 111 and instructor's consent.

PSY 544. Abnormal Psychology (3).

PSY 546. Aerospace Psychology (3).
Exploration of the many roles of scientific psychology in aviation and aerospace science. Surveys the research and literature in areas such as psychophysiological aspects of flight, environmental effects on human performance in aviation, aircrew skill requirements and training, pilot workload, cockpit control and display systems, and aviation safety. Prerequisite: 15 hours of psychology or instructor's consent.

PSY 556. Introduction to Clinical 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 & 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 566. Perspectives on Self-Help Groups (3).
Cross-listed as NURS 566 and SCWK 566. Provides an interactive format that constitutes a community resource for health and human service professionals and promotes an interdisciplinary understanding of the nature and diversity of self-help groups for persons with virtually any health problem or personal issue. Reviews contemporary theory and research, explaining the attractiveness and effectiveness of self-help groups. Panels of support group members share their experience with self-help groups on such topics as addiction, cancer and other illnesses, eating disorders, bereavement, mental illness and parenting.

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 different topics. 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 maximum 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. Graded S/U only. Prerequisite: instructor's consent.

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