PSY

Psychology

PSY 103-F Introduction to Psychology
An introduction to research and theory in psychology in such areas as learning, perception, cognition, biopsychology, development, personality, and abnormal and social psychology. As part of the course, students must participate in experiments and/or a library research project.

3 credits

PSY 201-C Statistical Methods in Psychology
The use and interpretation of elementary statistical techniques in research, emphasizing descriptive statistics, correlational analysis, and inferential statistics, including chi-square, t-tests, and an introduction to the Analysis of Variance. May not be taken for credit after AMS 102, ECO 220, POL 201, or SOC 202.
Prerequisites: PSY 103; satisfaction of entry skill in mathematics requirement
3 credits

PSY 220-F Survey in Developmental Psychology
A study of the growth processes from fetal development to late childhood. Perceptual and learning characteristics are explained as they relate to increases in cognitive and social competence in the total community. Biological factors are examined as they relate to inheritance of behavior patterns.
Prerequisite: PSY 103
3 credits

PSY 230-F Survey in Abnormal and Clinical Psychology
Examines the description, etiology, course, and treatment of psychological disorders. Current theory and research are emphasized.
Prerequisite: PSY 103
3 credits

PSY 240-F Survey in Social Psychology
A presentation of various topics in social psychology including interpersonal processes, obedience to authority, social perception, attitude change, attraction and liking, and aggression and violence, especially as applied to national and international issues.
Prerequisite: PSY 103
3 credits

PSY 250-F Survey in Biopsychology
Introduction to the neural basis of sensory processes, motor control, attention, emotion, and learning.
Prerequisites: PSY 103 or BIO 101 or 150
3 credits

PSY 260-F Survey in Cognition and Perception
A survey of theoretical and empirical work on human cognition and perception including pattern recognition, memory, attention, language comprehension, decision making, and problem solving.
Prerequisite: PSY 103
3 credits

PSY 273 Supervised Research in Psychology
Initial training and participation in techniques or duties related to a specific laboratory or field research experience under the direct supervision of a faculty member or advanced graduate student in the Department of Psychology. Students may take two sections in a single semester, but no more than three credits may be applied to a section. May not be taken for more than six credits per faculty advisor during the student’s career.
Prerequisite: Permission of instructor
0-6 credits, SIU grad using

PSY 283 Applications and Community Service
Designed to provide opportunities for students to study and apply psychological principles outside the classroom (e.g., in settings such as hospitals and schools). Specific programs vary from semester to semester. General information is available in the Psychology Undergraduate Office. May be repeated up to a limit of six credits.
Prerequisite: Permission of instructor
1-3 credits, SIU grad using

PSY 301 Advanced Statistics
Survey of probability and sampling theory, descriptive and inferential statistics, and introduction to experimental design.
Prerequisite: PSY 310
3 credits

PSY 310-F Research and Writing in Psychology
An introduction to and critical analysis of the methodology of psychological research. In addition to attending lectures taught by faculty, students work closely with a graduate instructor and peers in small breakout sections to prepare a research proposal. Not for credit in addition to the discontinued PSY 300.
Prerequisites: PSY 103; PSY 201 or any other course satisfying the department's statistics requirement
4 credits

PSY 325 Children's Cognitive Development
A survey of the basic principles of cognition from experimental research with children. Topics include perceptual development, language development, memory development, conceptual development, and the development of academic skills.
Prerequisites: PSY 220; PSY 310
3 credits

PSY 326 Children's Social and Emotional Development
Current theories, models, research methods, and findings in the study of children's socioemotional development. The course emphasizes the interaction of the individual with his or her social environment in developmental processes and outcomes. Topics include infancy, toddler/preschool, mid-late childhood, and adolescence.
Prerequisites: PSY 220; PSY 310
3 credits

PSY 327 Human Growth and Development in the Educational Context
The biological and psychological development of childhood and adolescence that affects teaching and curriculum development for diverse learners. Additional topics include childhood and adolescent psychiatric disorders, special education programs, drug and alcohol abuse and use, and societal issues.
Formerly SSE 327 and SSI 327. Not for credit in addition to SSE 327 or SSI 327. Previously SSE 327.
Prerequisites: U3 or U4 standing; admission to a teacher education program, or admission in the Psychology major
3 credits

PSY 329 Special Topics in Developmental Psychology
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
Prerequisites: PSY 220; PSY 310
3 credits

PSY 334 Autism and Mental Retardation-F
Study of concepts, procedures, and research related to autism, mental retardation, and other developmental disabilities from a psychological and educational perspective. Topics to be dealt with include: assessment, family roles, development of communication, social development, cognitive development, sensory and motor development, adaptive behavior, problem behaviors, instructional strategies, comprehensive programs, public policy legal issues, personnel preparation, methodological and research issues, and future directions for disability research and practice.
Prerequisite: PSY 230
Advisory Prerequisite: PSY 220
3 credits

PSY 335 Clinical Behavior Modification
The application of behavioral and cognitive sciences to the assessment and treatment of clinical problems. The aims of the course are to familiarize the student with the theoretical and empirical foundations of clinical behavior modification, provide examples of applications to a variety of different clinical problems, and discuss the results of outcome studies. While specific treatment methods are described and issues related to clinical application are discussed, no actual clinical training or practicum is provided in this course.
Prerequisites: PSY 230; PSY 310
3 credits

PSY 337 Applied Behavior Analysis/Positive Behavior Support
Exploration of concepts, procedures, and research related to applied behavior analysis/positive behavior support, an approach that involves the application of principles derived from behavioral, community, and ecological psychology to problems of social significance in the fields of clinical psychology, education, family life, and health. There is a focus on issues of assessment, intervention, and outcomes related to problem behavior, school performance, home-based support, community integration, and improving quality of life through systems change. Not for credit in addition to PSY 339 when the topic is Applied Behavior Analysis/Positive Behavior Support.
Prerequisite: PSY 103
Advisory Prerequisite: U3 or U4 standing
3 credits

PSY 338 Behavior Deviation in Children
Development and modification of behavioral deviations in children; application of principles derived from experimental analysis of behavior to problems of children.
Prerequisites: PSY 220; PSY 310
3 credits

PSY 339 Special Topics in Clinical Psychology
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
Prerequisites: PSY 230; PSY 310
3 credits

PSY 341 Psychology of Prejudice
An overview of theoretical perspectives, research methods, empirical findings, and practical applications of psychological research on prejudice. Topics include the development of prejudice among children; the role of cognitive, social, personality, and motivational factors in maintaining prejudice and stigma; the psychological consequences of prejudice and stigma; and strategies for reducing prejudice, stigma, and intergroup conflict.
Prerequisites: PSY 240; PSY 310
3 credits
PSY 342 Psychology of Drug Addiction
Review of drugs from a historical perspective and motivations for drug use. Importance is placed on psychological theories that attempt to understand drug addiction, including the role of classical and operant conditioning processes, genetic factors in alcoholism and smoking, the role of expectancies, and the contribution of personality. Various prevention and treatment approaches to drug addiction and their effectiveness are examined. The use of alcohol and tobacco are addressed in-depth, as those drugs cause many more deaths and disabilities than illicit drugs. Not for credit in addition to PSY 348 or 349 when the topic is Drug Addiction or Psychology of Addictive Behavior.
Prerequisites: PSY 240; PSY 310
3 credits

PSY 345 Theories of Personality
The study of the ways in which people differ. Examines traditional and current thinking and research about the nature and causes of the individual patterns of behavior, emotion, and thinking that we call personality.
Prerequisites: PSY 240; PSY 310
3 credits

PSY 346 Health Psychology
The role of psychological factors in the maintenance of good health or in coping with illness. Topics include the modification of specific health behavior, such as alcoholism, obesity, lack of exercise, and smoking; the relationship of stress and illness; and coping with terminal illnesses.
Prerequisites: PSY 240; PSY 310
3 credits

PSY 347-F Psychology of Women
The psychological impact of important physiological and sociological events and epochs in the lives of women; menstruation, female sexuality, marriage, childbirth, and menopause; women and mental health, mental illness and psychotherapy; the role of women in the field of psychology. This course is offered as both PSY 347 and WST 377.
Prerequisites: WST major or minor; or one of the following: WST/SSI 102, WST 103, PSY 103, WST/SOC 247
3 credits

PSY 348 Special Topics in Social Psychology
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
3 credits

PSY 349 Special Topics in Social Psychology
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
3 credits

PSY 355 Human Brain Function
The functional organization of the human brain, including dysfunctions resulting from various types of brain pathology. Neuroanatomical, neuropyschological, neurophysiological, and experimental psychological approaches are described.
Prerequisite: PSY 250
3 credits

PSY 356 Physiological Psychology
An advanced survey of the neurobiological bases of complex behavior. A review of basic neurophysiology, neuroanatomy, and neurochemistry is followed by considerations of the circuitry and neural processing supporting perception, motion, emotion, sleep, attention, learning, language, and higher cognitive mechanisms.
Prerequisite: PSY 250 or BIO 202 or BIO 203
3 credits

PSY 357 Animal Learning
Principles of adaptation and behavioral change with emphasis on techniques of reward and punishment and of stimulus control.
Prerequisite: PSY 310
3 credits

PSY 358 Special Topics in Biopsychology
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
3 credits

PSY 359 Special Topics in Biopsychology
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
Prerequisites: PSY 250 and 310
3 credits

PSY 365 The Psychology of Language
Examination of language acquisition and a consideration of its implication for cognitive psychology.
Prerequisites: PSY 260; PSY 310
3 credits

PSY 366 Human Problem Solving
An exploration of human problem solving and critical thinking. Topics include memory strategies, the role of language in thinking, inductive and deductive reasoning, creativity, and the development of problem solving skills.
Prerequisites: PSY 260; PSY 310
3 credits

PSY 367 Memory
A review of classical and current theories of memory and empirical research on memory-intact and memory-impaired populations.
Prerequisites: PSY 260; PSY 310
3 credits

PSY 368 Sensation and Perception
An examination of both the basic mechanisms and the organizational processes of visual and auditory perception. Topics include the perception of color, depth, movement, pitch, loudness, speech, and music.
Prerequisites: PSY 260; PSY 310
3 credits

PSY 369 Special Topics in Cognition and Perception
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
Prerequisites: PSY 260; PSY 310
3 credits

PSY 375 History and Systems of Psychology
History of psychology presented either as a development and testing of theories that emerge from a long philosophical tradition, or as a set of practices that serve particular social functions and respond to pressures from the socioeconomic context.
Prerequisites: Nine credits of psychology
3 credits

PSY 380 Research Lab: Human Cognition
Techniques and experimental methods to conduct research in cognition on a selection of topics such as perception and sensation, language, attention, or memory. Hands-on learning of research and reporting of research.
Prerequisites: PSY 310; permission of instructor
5 credits

PSY 381 Research Lab: Cognition/Computers/Learning
Experimental analysis of human performance. Topics include learning, cognitive processes, human-computer interaction, and motor skills. Two hours of lecture and four hours of laboratory per week.
Prerequisites: PSY 310; permission of instructor
1 credit

PSY 382 Research Lab: Social Psychology
Techniques and experimental problems in social psychology, including natural observation, surveys, and experimental design. Three hours of lecture and two hours of field or laboratory research per week.
Prerequisites: PSY 240; PSY 310; one 300-level social psychology course; permission of instructor
1 credit

PSY 383 Research Lab: Physiological Psychology
Techniques for studying brain mechanisms underlying behavior through such topics as recording of autonomic responses in humans, motor control in humans or animals, pharmacological effects on animal behavior, and recordings of human brain activity. One hour of lecture and four hours of laboratory per week.
Prerequisites: PSY 310; PSY 356; permission of instructor
1 credit

PSY 384 Research Lab: Human Factors
Current theories and empirical methods in the psychology of human-computer interaction. Students practice techniques in the research, design, and evaluation of human-computer interfaces.
Prerequisites: PSY 260 and 310; permission of department
1 credit

PSY 399 Junior Honors Seminar
First course of a three-semester research seminar on research in psychology. Topics investigated by faculty are reviewed. The class focuses on particular theories, methods, and results that illustrate the research process within the department. Students are expected to present oral and written proposals for their senior year research project.
Prerequisites: PSY 310; admission to psychology honors program
1 credit

PSY 447 Readings in Psychology
Directed readings under the guidance of a faculty member. May be repeated once.
Prerequisite: PSY 310
1-6 credits

PSY 475, 476 Undergraduate Teaching Practica I, II
Work with a faculty member as an assistant in one of the faculty member’s regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly assigned times to discuss the intellectual and pedagogical matters relating to the course. In PSY 476, students assume greater responsibility in such areas as leading discussions and analyzing results of tests that have already been graded. Students may not serve as teaching assistants in the same course twice.
Prerequisites to PSY 475: PSY 310; U4 standing in psychology major; permission of instructor and department
Prerequisites to PSY 476: PSY 310; U4 standing in psychology major; permission of instructor and department
3 credits per course, S/U grading

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PSY 487 Independent Research in Psychology
Upper-division students interested in carrying out independent research projects under the auspices of a faculty member in the Department of Psychology may do so in this course. The student must propose and carry out the research project and must analyze and write up the results in a form acceptable to the sponsor. Written agreement by the faculty sponsor to undertake this responsibility and an outline of the project goals are filed with the Undergraduate Psychology Office. These become part of the student’s departmental file. May be repeated up to a limit of 12 credits.
Prerequisites: U3 or U4 standing; PSY 310; permission of department
0-6 credits

PSY 488 Internship
Participation in public and private agencies and organizations. Students are required to submit written progress reports and a final written report on their experience to the faculty sponsor and department. May be repeated up to a limit of 12 credits.
Prerequisites: 12 credits in psychology including PSY 310; permission of instructor
Corequisite: PSY 447 or 491 or 492
0-6 credits, S/U grading

PSY 491, 492 Advanced Seminar in Psychology
Special seminars covering current research theory. Topics are announced prior to the beginning of each semester. May be repeated up to a limit of 18 credits. Students may take two sections in a single semester. May not be taken for more than six credits per faculty member during the student’s career.
Prerequisites: PSY 310; permission of instructor
3 credits per course

PSY 495-496 Senior Honors Seminar
Second and third course of a three-semester research seminar with continuing discussions of methods and theories relevant to honors research projects. Students are expected to design and execute a research project and submit a thesis under the supervision of appropriate faculty sponsorship. Students enrolled in PSY 495 are obliged to complete PSY 496. Students receive only one grade upon completion of the sequence.
Prerequisites to PSY 495: PSY 399; permission of department
Corequisite to PSY 495: PSY 487
Prerequisites to PSY 496: PSY 495; permission of department
Corequisite to PSY 496: PSY 487
1 credit per course