Psychology

PSYC 100. Interpersonal Skills for Resident Advisers. 1 credit.
Designed to give resident adviser trainees understanding of interpersonal relations.
Cannot be used as a psychology major elective. May be used for general education credit. Prerequisite: Limited to students selected as resident advisers.

PSYC 101. General Psychology. 3 credits.
A study of the nervous system, sensation, perception, consciousness, learning, memory, language, intelligence, motivation, emotion, life span development, personality, psychopathology, psychotherapy, social psychology and the scientific method. May be used for general education credit.

PSYC 122. The Science of Vision and Audition. 3 credits.
A study of human interaction with light and sound waves. Topics include physiological and perceptual mechanisms for processing light and sound, along with connections to real-world applications (e.g., human factors and careers within vision science and audition). Includes activities designed to provide students with in-depth, hands-on experience with course topics. May be used for general education credit.

PSYC 160. Life Span Human Development. 3 credits.
An introduction to human development. Emphasis is on life span processes within physical, emotional, cognitive, psychosexual, social, personality and moral development. May be used for general education credit.

PSYC 180. Introduction to Behavior Analysis. 3 credits.
Students will learn the fundamental principles, procedures, and concepts of behavior analysis, how they can be used to explain behavior, and how interventions based on these principles can be used to improve their own lives and the lives of others.

PSYC 200. Topics in Psychology. 1-3 credits.
Exploration of an important psychological topic. The topics for each semester will be announced on MyMadison and the departmental website. Prerequisite: PSYC 101.

Designed to give capable students an opportunity to complete directed study in an area of psychology under faculty guidance. Experiences may include practica, serving as a teaching assistant, directed readings, or similar experience. Not to be used for psychology major credit. Prerequisites: PSYC 101 and a written plan for the directed study must be submitted to the Department Head for approval one week prior to registration.

PSYC 203. Directed Research in Psychology. 1-3 credits.
An introductory opportunity to assist a faculty member with a research project.
Students may participate in any or all phases of research, including completion of background research, study design, collection of data, data analysis and interpretation. Specific requirements of project are determined by the instructor. Not to be used for
psychology major credit. Prerequisites: **PSYC 101** and a written plan for the directed study must be submitted to the Department Head for approval one week prior to registration.

This course provides an introduction to statistical techniques used by psychologists in measuring behavior. Fundamental measures and theory of descriptive and inferential statistics will be discussed. The use of computers for data analysis will be introduced. **Prerequisites:** **PSYC 101** and MATH 205, MATH 220, MATH 231, or MATH 235 with a grade of “C-” or better.

**PSYC 211. Psychological Research Methods (3,2).** 4 credits.
This course provides an introduction to the application of scientific methodology to investigate psychological phenomenon. Through lecture and laboratory, attention is given to choosing research questions, developing hypotheses, designing and conducting research, describing, analyzing and evaluating data and effectively communicating research findings. **Prerequisites:** **PSYC 101** and **PSYC 210**.

**PSYC 212-213. Psychological Research Design and Data Analysis I-II.** 4 credits each semester.
The **PSYC 212-213** course sequence introduces the logic of pursuing a scientific approach in psychology and covers descriptive, correlational, experimental and quasi-experimental approaches. It also covers the statistical tools associated with these methods (namely, descriptive statistics, correlation, regression, t-tests and ANOVA), and it introduces the basics of inferential statistics and hypothesis testing. **Prerequisites for PSYC 212:** **PSYC 101** and MATH 205, MATH 220, MATH 231, or MATH 235 with a grade of “C-” or better. **Prerequisite for PSYC 213:** **PSYC 212** with a grade of “C-” or better.

**PSYC 220. Psychology and Culture.** 3 credits.
The study of human psychology is incomplete without taking into account the cultural, historical, and social factors involved in human functioning. This course considers the ethnic and cultural variations that exist in human behavior, thought, and action. Course meets sociocultural course requirement for the Psychology major. **Prerequisite:** **PSYC 101**.

**PSYC 235. Psychology of Adjustment.** 3 credits.
A study of the process and dynamics of the well-integrated personality and the practical application of adjustment theories and behavior change techniques to enhance personal awareness and self-development.

**PSYC 250. Introduction to Abnormal Psychology.** 3 credits.
An introduction to the field of abnormal psychology for the non-psychology major. This course will examine methods of defining psychological normality and abnormality and the classification, causes and treatment of abnormal behavior. This course cannot be used for psychology major credit. Students may not earn credit for both **PSYC 250** and **335. Prerequisite:** **PSYC 101** or **PSYC 160**.

**PSYC/JUST 255. Abnormal Psychology for Law Enforcement Personnel.** 3 credits.
This course for students interested in becoming law enforcement professionals critically examines psychological normality and abnormality. The course focuses on description and causes of abnormal behavior likely to be encountered by law enforcement professionals, and on intervention options for police officers. May not be
taken by psychology majors or students who have completed PSYC 250 or PSYC 335. Prerequisites: PSYC 101 and JUST 200.

PSYC 270. Foundations of Learning and Cognition for Education. 3 credits.
This course introduces fundamental principles of cognition and learning as applied to educational practice. It provides a foundation for understanding multiple perspectives and levels of analysis applied to individual learning in educational settings. Prerequisite: PSYC 101 or PSYC 160.

PSYC 275. Psychology of Human Intimacy. 3 credits.
Theoretical and applied study of human relationships through case analysis and role play.

PSYC 285. Drugs and Behavior. 3 credits.
An introduction to the pharmacological effects of psychoactive drugs. This course will examine the neural mechanisms and behavioral effects of common substances such as caffeine and nicotine, drugs of abuse, and pharmaceuticals that are used to treat mental disorders. Prerequisite: PSYC 101.

PSYC 301. Psychology Peer Advising Training I. 2 credits.
Introductory training in academic peer advising, career development, and basic counseling techniques. Not to be used for psychology major credit. Application guidelines available on the psychology website and in the Psychology Peer Advising office. Prerequisites: PSYC 101, junior-level status and permission of course instructor.

PSYC 302. Psychology Peer Advising Training II. 2 credits.
Continued training and supervised experiences in academic advising, career development, and basic counseling techniques. Not to be used for psychology major credit. Prerequisites: PSYC 211, PSYC 213 or PSYC 301 and permission of the course coordinator.

PSYC 304. Death and Dying: Thanatology. 3 credits.
Psychological theories about death including ways in which individuals and society deal with death. Prerequisites: PSYC 101 and junior status.

PSYC 308. Health Psychology. 3 credits.
This course deals with personality and its relation to health and illness behaviors. Topics include psychological factors involved in control and helplessness, conflict management, cardiovascular disorders, cancer, pain, substance abuse and other psychophysiological related factors. Course meets sociocultural requirement for the psychology major. Prerequisites: PSYC 101 and junior status.

PSYC 310. The Psychology of Women and Gender. 3 credits.
An examination of research and theory regarding the abilities and behaviors of women and the changing roles of women. Consideration is given to biological, developmental and societal determinants of sex and gender. Course meets sociocultural requirement for the psychology major. Prerequisites: PSYC 101 and junior status.

PSYC/JUST 314. Police Psychology. 3 credits.
This course explores the role of psychology in various aspects of police work and examines how psychological research and methods can assist police departments and police officers in reaching law-enforcement goals. Prerequisites: PSYC 101 and JUST 200.

PSYC/JUST 316. Human Development and Crime. 3 credits.
This course examines how psychological research and theory shed light on the development of criminal careers, the factors that protect children and adolescents from becoming criminals, how being a victim of crime influences well-being, and the efficacy of rehabilitation. Special attention will be paid to the knowledge base on delinquency and childhood/adolescent victimization. **Prerequisite:** PSYC 101.

**PSYC 320. Diversity Issues in Psychology.** 3 credits.
This course addresses issues of diversity and neglected populations in psychology with attention to gender, sexual orientation, race, ethnicity, disability, chronic illness, SES, age and level of indigenous influence. Particular cultural stressors associated with each group or demographic are discussed and attention is given to the issue of privilege. Course meets sociocultural requirement for the psychology major. **Prerequisites:** PSYC 101 and junior-level status.

**PSYC 325. Counseling Psychology.** 3 credits.
A basic counseling theories and skills course designed for students interested in human service and mental health fields. Course meets sociocultural requirement for the psychology major. Credit may not be earned in both PSYC 325 and PSYC 440. **Prerequisites:** PSYC 101 and junior status.

**PSYC 326. Leadership and Personal Growth.** 3 credits.
The purpose of this course is to foster the understanding and practical application of leadership, through the use of affective and cognitive approaches. There is a strong emphasis on personal growth as it relates to leadership concepts. Aspects of developmental, cognitive, humanistic, and personality psychological theories are included. The course also builds on concepts and issues from Industrial/Organizational psychology. **Prerequisites:** PSYC 101 or PSYC 160 and permission of the instructor.

**PSYC 328. The Psychology of Leadership.** 3 credits.
This course focuses on psychological components of leadership behavior and its importance to various situations in culture and society. Students will explore the potential impact of leaders and their influence on individuals and society. Various existential, behavioral and motivational topics related to leadership studies will be explored. Service learning will also be a core component of the course. **Prerequisites:** PSYC 101 and junior standing.

**PSYC 330. Psychology of Personality.** 3 credits.
Essential elements of leading theories of personality with an emphasis on implications of these theories for human behavior. **Prerequisite:** PSYC 211 or PSYC 213.

**PSYC 335. Abnormal Psychology.** 3 credits.
This course for the psychology major critically examines psychological normality and abnormality and the classification, causes and treatment of abnormal behavior. Students learn classification and diagnosis, explore social and multicultural issues relating to diagnosis and discuss research in the field. Students may not earn credit for both PSYC 250 and PSYC 335. **Prerequisite:** PSYC 211 or PSYC 213.

**PSYC 345. Social Psychology.** 3 credits.
The study of how an individual’s behavior, feelings and thoughts are influenced by other people. Topics include attitude formation and change, social perception, attraction, altruistic and antisocial behavior, conformity, leadership and group dynamics, and applications of social psychology to other fields. **Prerequisite:** PSYC 211 or PSYC 213.

**PSYC 365. Developmental Psychology.** 3 credits.
Psychological aspects of growth, development and behavior from birth through adolescence. Prerequisite: PSYC 211 or PSYC 213.

**PSYC 375. Sensation and Perception. 3 credits.**
Explores the nature and development of human sensory capabilities and processing, and how these affect perception of the environment. A potential list of the variety of systems reviewed includes hearing, vision, smell, taste, and touch/pain, as well as phenomena such as the perception of balance. Prerequisite: PSYC 211 or PSYC 213.

**PSYC 380. Cognitive Psychology. 3 credits.**
This course explores the nature and development of human attention, memory, language and thinking processes. An information processing approach to the study of human cognition is emphasized. Prerequisite: PSYC 211 or PSYC 213.

**PSYC 385. Biopsychology. 3 credits.**
A survey of the neurological and chemical mechanisms which control behavior. This course examines the brain and how it processes sensation, perception, cognition, movement, motivation, learning, memory and other behavioral processes of interest to psychologists. Prerequisite: PSYC 211 or PSYC 213.

**PSYC 390. Psychology of Learning. 3 credits.**
Basic principles of learning and conditioning with a consideration of extinction, reinforcement, generalization, discrimination, transfer, concept formation and verbal learning. Prerequisite: PSYC 211 or PSYC 213.

**PSYC/BIO 395. Comparative Animal Behavior. 3 credits.**
This course covers aspects of the development, function and evolution of the behavior of nonhuman animals. Topics include intraspecies communication, feeding, aggression, territoriality, reproductive behavior and social behavior. Prerequisite: PSYC 211 or PSYC 213.

**PSYC 400. Advanced Topics in Psychology. 1-3 credits.**
Exploration of a significant psychological topic in depth. The topics for each semester will be announced on MyMadison and on the departmental website. Prerequisites: At least one SS content course and one NS content course.

**PSYC 401. Peer Advising. 2 credits.**
Supervised practicum in academic and career development and peer advising. May be taken twice for up to four credit hours toward the psychology major (400-level elective). Prerequisites: PSYC 302, at least one SS content course and one NS content course, and permission of the instructor.

**PSYC 402. Independent Study in Psychology. 1-4 credits.**
An opportunity to apply classroom learning to practical problems and to expand the scope of knowledge in psychology to areas not emphasized in the coursework we offer. May include service learning, internship, directed readings, serving as a teaching assistant, or a combination of these activities. Prerequisites: PSYC 211 or PSYC 213, a written plan approved by the project supervisor and Department Head must be submitted prior to registration.

**PSYC 403. Independent Research in Psychology. 1-4 credits.**
An advanced opportunity to conduct research with a faculty member where students apply their knowledge of Psychology to a specific research project or area. Students may work individually with the instructor or as part of a team that includes several students. Student projects include the development of an evaluated product (e.g., poster presentation, presentation). Specific requirements of project are determined by
the instructor. Prerequisites: PSYC 211 or PSYC 213, a written plan approved by the project supervisor and Department Head must be submitted prior to registration.

**PSYC 410. Psychology of the Workplace. 3 credits.**
This course is a survey of the applications of psychological principles in the workplace. Emphasis is on topics such as research and methods, personnel decisions, training, attitudes, motivation, leadership, teams, and sociocultural issues in the workplace. Other topics of current interest will also be covered. Course will fulfill sociocultural awareness requirement. Prerequisites: At least one SS content course and one NS content course.

**PSYC 415. Forensic Psychology. 3 credits.**
The application of psychological principles and techniques to the law, the criminal justice system, law enforcement and criminal behavior. Students may not earn credit in both PSYC 415 and PSYC 312. Prerequisite: PSYC 335.

**PSYC 420. Advanced Psychological Statistics. 3 credits.**
This course presents advanced univariate and multivariate statistical techniques that psychology students need for reading research articles and conducting psychological research. Prerequisites: At least one SS content course and one NS content course.

**PSYC 425. School Psychology. 3 credits.**
Applications of psychological principles in school settings, including roles and activities of school psychologists, standards, trends and issues of treatment and evaluation. Prerequisites: At least one SS content course and one NS content course.

**PSYC 427. Tests and Measurements. 3 credits.**
Standardized psychological tests of mental ability, achievement, aptitude and personality with a review of statistical procedures necessary for interpretation of test results. Prerequisites: At least one SS content course and one NS content course.

**PSYC 428. Educational Psychology. 3 credits.**
The application of the basic psychological principles of development, learning, cognition, measurement and social interactions to education settings. This course examines how psychological theory and research impacts the teaching of reading, writing, science and mathematics. Students may not count both PSYC 270 and PSYC 428 for psychology major credit. Prerequisites: At least one SS content course and one NS content course.

**PSYC 430. Clinical Psychology. 3 credits.**
An introduction to the field of clinical psychology including a review of the major theoretical models, psychometrics, psychiatric diagnosis and treatment strategies. Prerequisites: PSYC 335 and one NS content course.

**PSYC 435. Community Psychology. 3 credits.**
Focus on emerging trends and models in the application of psychology to community, stress prevention programs, human resources and change. Prerequisites: At least one SS content course and one NS content course.

**PSYC 450. Psychology of Child Abuse and Neglect. 3 credits.**
Review of current psychological literature on child abuse and neglect including identification, etiology, treatment, prevention and legal aspects. Family violence issues are also discussed. Prerequisites: At least one SS content course and one NS content course.

**PSYC 452. Child Psychopathology. 3 credits.**
The causes, symptoms and classification of childhood psychological disorders. 
*Prerequisite: PSYC 335 or PSYC 365 (both recommended).*

**PSYC 460. Community Psychology within Developing Societies.** 3 credits.  
This course will apply psychology to a critical examination of developing societies around the world. Topics include sociocultural and international contexts, privilege, power, oppressing, terrorism, population growth, and diversity. Consideration is given to developmental and societal determinants of prejudice, discrimination, and inequity. Course meets sociocultural requirement for the psychology major. *Prerequisites: At least one SS content course and one NS content course.*

**PSYC 470. Psychology of the Young Adult.** 3 credits.  
Applications of psychological principles to classroom settings. Not open to students who have taken **PSYC 270.** *Prerequisites: PSYC 160 and at least one course from developmental core (Area III).*

**PSYC 475. Psychology of Adulthood.** 3 credits.  
The physical, social and psychological factors faced by adults and their progression through the life span. *Prerequisites: At least one SS content course and one NS content course.*

**PSYC 480. Applied Behavior Analysis.** 3 credits.  
This course focuses on how environmental events influence behavior, and behavior analytic strategies by which behavior may be changed. The emphasis of the course is on the knowledge and skills necessary to plan, develop and implement interventions for behavior problems in a variety of settings including, but not limited to, business and industry, education, and health and human services. *Prerequisites: PSYC 180 and PSYC 390.*

**PSYC 492. History of Psychology.** 3 credits.  
The history of psychology as reflected through the individuals, theories and experimental investigation of the discipline. Special emphasis is placed upon relating the current state of psychology to its historical development. *Prerequisites: At least two SS content courses and two NS content courses. May be taken as a capstone course or psychology elective.*

**PSYC 493. Laboratory in Psychology.** 3 credits.  
A research course designed by a faculty member that studies a particular topic. Topics will change from semester to semester. Students will be guided in a group through a research experience that would include library research of the topic, design of an experiment, gathering and analyzing the data, and writing the results. Only three credit hours of the course can be used for the psychology major. *Prerequisites: At least two SS content courses and two NS content courses. The course meets the requirement as a capstone course or as a psychology elective.*

**PSYC 495. Field Placement in Psychology.** 4 credits.  
Supervised practicum in a counseling, industrial or human service agency. Orientation to agency’s service, policies, personnel and professional ethics is provided. *Prerequisites: At least two SS content courses and two NS content courses. Guidelines available in the department office. The course meets the requirement as a capstone course or as a psychology elective.*

**PSYC 497. Senior Seminar in Psychology.** 3 credits.  
A seminar course that will require students to integrate theories, research and/or methods from several areas of psychology and/or related disciplines. Topics will vary
from semester to semester. Up to six credit hours can be used in the psychology major. Topics for each semester are announced on MyMadison and on the departmental website. Prerequisites: At least two SS content courses and two NS content courses. May be taken as a capstone course or as a psychology elective.

**PSYC 499. Honors. 6 credits.**
See catalog section “Graduation with Honors.” Prerequisites: At least two SS content courses and two NS content courses.