

# Psychology (PSYC)

## Courses

### PSYC 111. Introduction to Psychology. 3 Credits.

An introduction to the scientific study of behavior and mental processes, with consideration of the nature and scope of psychology as a science and a profession. F,S,SS.

### PSYC 210. Human Sexuality. 3 Credits.

This course provides an overview of human sexuality--covering anatomical and physiological aspects, psychological aspects, behavioral aspects, and social/cultural aspects. Prerequisite: PSYC 111. S.

### PSYC 241. Statistics for the Behavioral Sciences. 4 Credits.

An introduction to statistics commonly used in psychology and other behavioral sciences. Topics include descriptive and inferential statistics, measures of central tendency and variability, z-scores and the normal distribution, probability and hypothesis testing, t-tests, analysis of variance, correlation, regression, and non-parametric tests. Students will apply these statistical concepts to research scenarios in the behavioral sciences. Students will also learn about software used to compute statistics. Prerequisite: PSYC 111 and MATH 103 or higher. F,S,SS.

### PSYC 250. Developmental Psychology. 4 Credits.

A survey of the psychology of human life span development including intellectual, social, and emotional aspects of the normal individual and emphasizing childhood and adolescent development. Prerequisite: PSYC 111. F,S,SS.

### PSYC 270. Psychological Disorders and Treatment. 3 Credits.

A survey of the classification, symptoms, and etiology of psychological disorders and behavior pathology. Prerequisite: PSYC 111. F,S,SS.

### PSYC 294. Individual Research. 1-4 Credits.

Introductory experience as a research assistant in a research laboratory. A total of 45 hours is typically required over the course of the semester per credit. Prerequisite: Consent of instructor. Repeatable to 4.00 credits. S/U grading. F,S,SS.

### PSYC 299. Special Topics in Psychology. 1-3 Credits.

Repeatable when topics vary. Prerequisite: Consent of instructor. Repeatable. On demand.

### PSYC 301. Industrial and Organizational Psychology. 3 Credits.

Selection, training, motivation, leadership, job satisfaction, human engineering and working environments as applied to business and industry. Prerequisite: PSYC 111 and any basic statistics course. On demand.

### PSYC 303. Research Methods in Psychology. 4 Credits.

Survey of research methods; exposure to and evaluation of psychological research; includes an overview of APA format. Prerequisite: MATH 103 or higher and PSYC 111. Prerequisite or Corequisite: PSYC 241. F,S,SS.

### PSYC 304. Advanced Research Methods. 3 Credits.

An advanced research methods course. Students will learn how to plan and execute basic psychological experiments, analyze data, and correctly report research findings using APA style. Prerequisite: PSYC 241 and PSYC 303. F,S.

### PSYC 313. Educational Psychology. 3 Credits.

The study of educational psychology involves both theory and practice. Focusing upon applying the principles of psychology and research to the practice of teaching, the ultimate goal is the understanding and improvement of instruction. Prospective teachers and other professionals in training who will interact with students need to understand how students learn and how that learning varies and is affected by each student's context, culture, and development. This course focuses on the effective application of psychological concepts and principles in the learning and instructional processes. Prerequisite: PSYC 111 or permission of the instructor. Prerequisite or Corequisite: PSYC 250 or permission of the instructor. SS.

### PSYC 320. Professional Development & Ethics. 2 Credits.

The purpose of this course is to introduce and to make students familiar with the types of career and advanced degree opportunities that are available upon earning their baccalaureate degree. The course will include exploration of professional undertakings commonly pursued by undergraduate students with a psychology major. Prerequisite: PSYC 111 and sophomore status. F,S,SS.

### PSYC 330. Biological Bases of Behavior. 4 Credits.

This course will cover the biological bases of psychology in areas of evolution, genetics, the nervous system, and methodology as they pertain to human behavior. Prerequisite: Psychology major and BIOL 111 or BIOL 150 or BIOL 151 or ANAT 204. S,SS.

### PSYC 331. Behavior Modification and Therapy. 3 Credits.

Theory and practice in the application of operant and classical conditioning procedures to humans in applied settings. Prerequisite: PSYC 111. F,S,SS.

### PSYC 335. Health Psychology. 3 Credits.

A biopsychosocial approach is used to examine basic concepts, theories, and research in health psychology from the perspectives of the patient, caregiver, health care provider, and researcher. Prerequisite: PSYC 111. F,SS.

### PSYC 355. Adulthood and Aging. 3 Credits.

Basic findings and theoretical issues in the study of human aging from biopsychological and socio-psychological perspectives with an emphasis on the individual. Prerequisite: PSYC 111 plus 3 credits of psychology. F,SS.

### PSYC 360. Introduction to Personality. 3 Credits.

Examination of basic concepts in the field of personality. Prerequisite: PSYC 111. F,S.

### PSYC 361. Social Psychology. 3 Credits.

Research on individual behavior in its social context: how the individual acts upon the social environment, and interacts with other individuals. Prerequisite or Corequisite: PSYC 111. F,S.

### PSYC 362. Psychology and Law. 3 Credits.

Psychological examination of the legal system, including what psychologists have learned about the law, the many different legal topics psychologists study, and the great promise that psychology holds for improving the legal system. Prerequisite: PSYC 111. F.

### PSYC 365. Psychology of Women and Gender. 3 Credits.

Examination of topics relevant to women and gender that are often ignored in traditional psychology courses, such as gender bias in research, gender identity and roles, sexuality and violence. Prerequisite: PSYC 111. SS.

### PSYC 366. Conflict Management. 3 Credits.

This course provides students with an understanding of conflict, its dynamics, major theoretical explanations, and methods of resolution. Students will also learn some basic conflict resolution skills and processes. Prerequisite: PSYC 111.

### PSYC 370. Cyber Security, Big Data, & Human Behavior. 3 Credits.

This course will discuss the connections between human behavior, cyber security and big data. Big data tools and techniques allow the integration of diverse data streams from multiple sources providing the potential for better understanding and prediction of human behavior. Improved predictive modeling emerging from big data has several implications including possibly strengthening the security of critical cyber systems. On demand.

### PSYC 372. Behavioral Design & Digital Products. 3 Credits.

Understanding how people learn, think, feel, and behave can help you design technology/machines that are intuitive, appealing, and reduce human operating error! Digital technologies, including autonomous machines such as unmanned/autonomous aerial devices and driverless cars, are a fast developing area of technological design and manufacturing. Effective use of these ever-increasingly complex products demands that designers understand and design for how people interact with digital technology. On demand.

### PSYC 393. Psychology UGTA Seminar. 1 Credit.

This seminar is a pre-requisite or co-requisite to serving as an undergraduate Teaching Assistant with the Department of Psychology. Completion of the seminar is required for undergraduate students serving as teaching assistants. Prerequisite: Minimum overall GPA of 3.2, Junior status (60+ credits), earned an "A" in the course student will be serving as a teaching assistant for. F,S,SS.

**PSYC 395. Practical Experiences in Psychology. 1-4 Credits.**

A practical work or volunteer experience associated with the student's academic study of psychology. Arranged by mutual agreement among student, department, and placement site. Repeatable up to 8 credits. Prerequisite: PSYC 111, junior or senior status, and a minimum overall or major GPA of 3.0. Prerequisite or Corequisite: PSYC 320. Repeatable to 8.00 credits. S/U grading. F,S,SS.

**PSYC 397. Cooperative Education. 1 Credit.**

A practical work experience associated with the student's academic area of psychology. Arranged by mutual agreement among student, department and employer. Students need to contact the Cooperative Education office. Prerequisite: PSYC 111, junior or senior status, PSYC 303 with a grade of C or above, and a minimum GPA of 2.0. Repeatable to 8.00 credits. S/U grading. F,S,SS.

**PSYC 405. History and Systems of Psychology. 3 Credits.**

A consideration of the historical background and development of problem areas in psychology and a survey of contemporary psychological theories. Prerequisite: PSYC 303 and senior status. F,S,SS.

**PSYC 421. Diversity Psychology. 3 Credits.**

Origins and consequences of psychological differences among individual and groups with special emphasis on sex differences and racial differences. Prerequisite: PSYC 111, PSYC 241, and PSYC 250 or consent of instructor. S, odd years.

**PSYC 433. Psychology of Learning. 4 Credits.**

Principles of animal and human learning, with special emphasis on the acquisition, extinction and retention of learned behavior patterns. Course includes recitation and laboratory. Prerequisite: PSYC 111 and PSYC 303. F,S.

**PSYC 436. Perception. 4 Credits.**

Perceptual basis of behavior. Prerequisite: PSYC 303 and BIOL 111 or BIOL 150 or BIOL 151 or ANAT 204 or PSYC 330. F.

**PSYC 437. Physiology of Behavior and Psychophysiological Measurement. 4 Credits.**

An advanced course covering major topics of physiological psychology while also introducing students to psychophysiological recording techniques used in research. While physiology and anatomy of the central and peripheral nervous systems will be briefly reviewed, students are expected to have basic knowledge of neuroscience, behavioral science, and research methodology. Laboratory time will focus on demonstration and practice of psychophysiological recording techniques and data analysis. Prerequisite: PSYC 303 and BIOL 111 or BIOL 150 or BIOL 151 or BMD 220 or BMD 221 or PSYC 330. F, odd years.

**PSYC 439. Cognitive Psychology. 4 Credits.**

An examination of theory and research on attention, memory, language, comprehension, reasoning, problem-solving, and decision-making. Course includes recitation and laboratory. Prerequisite: PSYC 111 and PSYC 303. S, even years.

**PSYC 441. Case-Based Applied Statistics. 3 Credits.**

Emphasis on the hands-on application and interpretation of a variety of descriptive and inferential statistical procedures using a computer software package (SPSS). Prerequisite: PSYC 111, PSYC 241 and PSYC 303. On demand.

**PSYC 460. Advanced Social Psychology. 3 Credits.**

In depth examination of the theoretical and empirical literature in social psychology focusing on attitudes, stereotyping and prejudice, interpersonal relationships, social cognition, personality and the self, and group behavior. Prerequisite: PSYC 111, PSYC 303, and PSYC 361 or SOC 361. F,S.

**PSYC 470. Intro Clinical Psychology. 3 Credits.**

A systematic survey of the field of clinical psychology; basic concepts in diagnosis, psychotherapy, research and professional problems. Prerequisite: PSYC 111, PSYC 241, and PSYC 270 or consent of instructor. On demand.

**PSYC 475. Psychological Helping Skills. 2 Credits.**

This course introduces students to basic helping skills used by mental health professionals and reviews empirically supported models of the helping and change process. Students are given frequent opportunities to apply the skills learned. Prerequisite: Senior status, PSYC 111, PSYC 270, and PSYC 303. Prerequisite or Corequisite: PSYC 320. F.

**PSYC 486. Conflict Symposium. 3 Credits.**

In-depth study of a current topic in the conflict field in the format of a week-long symposium. Prerequisite: Permission of instructor. On demand.

**PSYC 489. Senior Thesis. 1-6 Credits.**

Supervised independent study culminating in a thesis. Prerequisite: PSYC 304, PSYC 494 (2 credits), GPA of 3.21 or higher, Junior status, and department permission. Repeatable to 6.00 credits. F,S,SS.

**PSYC 492. Individual Projects in Psychology. 1-4 Credits.**

This course is intended to provide students with in-depth experiences not covered adequately in usual course offerings. These experiences may include independent research projects or extensive readings on topics of interest. Prerequisite: PSYC 111 and consent of instructor. Repeatable to 8.00 credits. F,S,SS.

**PSYC 493. Instructional Experiences in Psychology. 2 Credits.**

Students will receive training and practical experiences in providing instruction in psychology at the collegiate level. Such experiences include serving as an undergraduate teaching assistant or tutor for psychology courses with a faculty mentor. Prerequisite: Junior or senior status, "A" in course they are serving, minimum overall GPA of 3.2 or higher, and permission of instructor. Corequisite: PSYC 320 and PSYC 393. Repeatable to 8.00 credits. S/U grading. F,S,SS.

**PSYC 494. Advanced Individual Research. 1-4 Credits.**

Advanced experience as a research assistant in a research laboratory. A total of 45 hours is typically required over the course of the semester per credit. Prerequisite: PSYC 303 and consent of instructor. Repeatable to 8.00 credits. F,S,SS.

**PSYC 499. Advanced Special Topics in Psychology. 1-4 Credits.**

Repeatable when topics vary. Prerequisite: PSYC 111 and consent of instructor. Repeatable. On demand.

**PSYC 501. Psychological Foundations Educ. 3 Credits.**

A study of the learning process with secondary emphasis on how the learning process is affected by individual differences, growth, development, and personality. Prerequisite: Graduate standing in Psychology or Education.

**PSYC 505. History of Psychology. 3 Credits.**

Historical development of modern psychology with an emphasis on experimental and systematic phases of early psychological thought, on important issues during the growth of psychology, and on current trends. Prerequisite: Graduate standing in Psychology or Counseling.

**PSYC 520. Foundations of Forensic Psychology. 3 Credits.**

Prerequisite: Graduate status in Psychology or permission of instructor.

**PSYC 521. Diversity Psychology. 3 Credits.**

The purpose of this course is to provide students with an advanced consideration of the major issues in the study of diversity as it applies to the field of psychology. Prerequisite: Graduate status in Psychology or permission of instructor.

**PSYC 522. Human Factors in Cyber Security. 3 Credits.**

This course examines the critical role human behavior plays in maintaining or conversely endangering cyber security. The science of human attention, perception, learning, and cognition is applied to the problem of maintaining secure cyber systems. On demand.

**PSYC 523. Forensic Assessment. 3 Credits.**

This course is designed to provide students with 1) a review of assessment measures used in forensic assessment 2) an in-depth study of ethical and professional issues in forensic assessment, and 3) training in writing assessment reports. Prerequisite: Graduate status in Psychology or permission of instructor. SS, even years.

**PSYC 524. Psychology and Law. 3 Credits.**

An in-depth examination of the interaction between the disciplines of psychology and law. The course will look at how psychological research and theories are applied to contemporary legal issues. Prerequisite: Graduate status in Psychology or permission of instructor.

**PSYC 525. Insider Threat Analysis. 3 Credits.**

This course provides an in-depth examination and analysis of what is referred to as insider threat. Insider threat is when a current or former employee or other person that has "insider access" such as contractors, outsourcers, and even cloud-computing vendors compromises the security of a cyber-system or application either intentionally or unintentionally. Insider threats are often considered the greatest cyber security risks. On demand.

**PSYC 526. Psychological Profiling and Criminal Behavior. 3 Credits.**

Prerequisite: Graduate status in Psychology or permission of instructor.

**PSYC 532. Cognitive and Behavioral Foundations in AI. 3 Credits.**

This course explores the cognitive and behavioral principles that underpin artificial intelligence (AI) systems, with a focus on understanding and replicating human-like intelligence and behavior in machines. Drawing upon insights from psychology, neuroscience, and computer science, students will learn how cognitive and behavioral theories inform the design, development, and application of AI technologies. The course will examine how cognitive processes such as perception, attention, memory, language processing and natural language understanding, problem-solving, and decision-making are modeled in AI systems including artificial neural networks and evolutionary algorithms. It will also discuss application of behavioral principles reinforcement, conditioning, and social learning in AI. Prerequisite: Graduate student standing. S, odd years.

**PSYC 533. Theories of Learning. 3 Credits.**

Examination of the evidences in support of the various systematic theories of learning. Prerequisite: Graduate standing in Counseling or Psychology or consent of instructor.

**PSYC 534. Eyewitness Testimony & Memory. 3 Credits.**

This course will survey this recent psychological research on eyewitness testimony including factors that influence eyewitness memory, interviewing, identification procedures, and the effectiveness of trial testimony provided by both eyewitnesses and psychological experts. On demand.

**PSYC 537. Physiology of Behavior and Psychophysiological Measurement. 3 Credits.**

This is an advanced graduate course covering major topics of physiological psychology while also introducing measurement techniques traditionally used in psychophysiological research. While physiology and anatomy of the central and peripheral nervous systems will be reviewed in this course, students are expected to have basic knowledge of neuroscience, behavioral science, and research methodology. Experiential learning activities will focus on the demonstration and practice of psychophysiological measurement and recording techniques, data analysis, and interpretation. Prerequisite: Graduate standing in Psychology or permission of instructor. F.

**PSYC 539. Cognitive Psychology. 3 Credits.**

An in-depth analysis and discussion (including laboratory work) of topics covering issues related to memory, attention, problem solving, comprehension, and thinking. Prerequisite: Graduate standing in Psychology or permission of instructor.

**PSYC 540. Foundations of Behavioral Data Analytics. 3 Credits.**

This course covers the process of inspecting, cleansing, transforming, and modeling quantitative data with the goal of discovering useful information, suggesting conclusions, and supporting decision-making. Behavioral data analytics has multiple facets and approaches, encompassing diverse techniques under a variety of names. In this course, we will cover data mining focused on modeling and knowledge discovery for predictive rather than purely descriptive purposes. Techniques for integrating data and for visualizing data will also be explored. On demand.

**PSYC 541. Advanced Univariate Statistics. 3 Credits.**

Theory of univariate statistics; application to quantitative data in psychology. Prerequisite: Graduate standing, college algebra, and elementary statistics.

**PSYC 542. Multivariate Statistics for Psychology. 3 Credits.**

The appropriate use and interpretation of multivariate data analytic techniques in psychology. Prerequisite: Graduate standing and PSYC 541.

**PSYC 543. Experimental Design. 3 Credits.**

Application of statistics and probability theory to the design and analysis of experiments. Prerequisite: PSYC 541 or consent of instructor.

**PSYC 544. Research Methods in Forensic Psychology. 3 Credits.**

This course will provide a basic review of descriptive and inferential statistics and how these techniques are used with research methods appropriate for forensic psychology. Students will become proficient in basic statistical analysis of data sets, designing and evaluating research designs and techniques, and having the skills to understand primary research in forensic psychology. On demand.

**PSYC 545. Applied Psychometrics I: Test Evaluation & Application. 1 Credit.**

Establishes the basic competencies in applied psychometrics relevant to selection and application of clinical tests measures. Prerequisite: Graduate standing in Psychology or permission of instructor. F.

**PSYC 546. Applied Psychometrics II: Scale Development. 1 Credit.**

Establishes foundational knowledge in the development of psychometric instruments. Prerequisite: PSYC 541, PSYC 542, and PSYC 545, or permission of instructor. S.

**PSYC 547. Applied Clinical Statistics & Research Design. 1 Credit.**

This course is designed to give (primarily Clinical) Psychology doctoral students a basic working knowledge of the statistical and methodological concepts specific to Health Service Psychology in verifying that clinical procedures and tools have sufficient empirical bases. These include methods suited for real-world clinical research, such as single case designs. Prerequisite: PSYC 541. S.

**PSYC 551. Advanced Developmental Psych. 3 Credits.**

In-depth analysis and integration of theories and theorists relevant for current issues in lifespan developmental psychology. Prerequisite: Graduate status in Psychology or permission of instructor.

**PSYC 560. Advanced Social Psychology. 3 Credits.**

In-depth examination of the theoretical and empirical literature in social psychology focusing on attitudes, stereotyping and prejudice, interpersonal relationships, social cognition, personality and the self, and group behavior. Also includes additional course readings and written work beyond the requirements for Psychology 460. Prerequisite: Graduate status in Psychology or permission of instructor. S.

**PSYC 565. Multicultural Psychology. 3 Credits.**

Examinations of cross-cultural work in psychology with attention to race, ethnicity, and culture. Special emphasis is given to research, training, and treatment issues with minority groups, including the American Indian and other cultural groups. Prerequisite: Graduate status in Psychology.

**PSYC 570. CA I: Neurocognitive & Psychoeducational Assessment. 3 Credits.**

Establishes foundational knowledge in the assessment of cognitive abilities, neurocognitive function, and psychoeducational variables using an array of psychometric techniques, observation, mental status examinations, etc. Practice in test administration, scoring, and interpretation, assessment interviewing, and report writing are provided. Prerequisite: Graduate standing in Psychology or permission of instructor. F.

**PSYC 571. CA II: Assessment of Behavior Pathology. 3 Credits.**

Establishes the foundational knowledge in the assessment of clinically-relevant cognition, affect, and behavior, using a variety of psychometric tools and interviewing techniques, and writing clinical reports. Prerequisite: PSYC 570 or permission of instructor. S.

**PSYC 572. Community Psychology. 3 Credits.**

Theories and practicum in community mental health consultation. Credits in 587 may be earned in conjunction with this course. Prerequisite: PSYC 571, PSYC 573, and graduate standing in Psychology.

**PSYC 573. Fundamentals of Therapeutic Intervention. 1 Credit.**

Provides background in the basics of psychotherapeutic intervention techniques and practices, and a survey of various intervention models. S.

**PSYC 574. Advanced Therapeutic Interventions with Adults. 3 Credits.**

An in-depth study of the key issues of psychotherapy research with a focus on critical evaluation of the psychotherapy research literature and the development of knowledge of empirically supported approaches to psychotherapy with specific problems. Prerequisite: PSYC 573 or permission of instructor. F.

**PSYC 575. Behavior Pathology. 3 Credits.**

A survey of various forms of behavior pathology with emphasis upon current research and theories relating to pathology. Prerequisite: graduate standing in psychology or instructor permission. F.

**PSYC 576. Advanced Tx Interventions-Children/Adolescents. 3 Credits.**

An overview of child and developmental psychopathology including discussion of pertinent treatments for disorders such as conduct disorders, attention-deficit, substance abuse, and developmental disabilities. Prerequisite: PSYC 573 or instructor permission. S.

**PSYC 579. Professional Issues and Ethics in Psychology. 3 Credits.**

An exploration of ethical issues pertinent to the science and practice of psychology and discussion of current professional issues facing psychology. Prerequisite: Graduate standing in Psychology or permission of instructor.

**PSYC 580. Clinical Practice. 1 Credit.**

Supervised individual practice in techniques of individual psychotherapy, marital therapy, counseling, and guidance of parents and children, administration of psychological examinations, behavior modification, community mental health procedures, consultation, and other professional practices of the clinical psychologist. Prerequisite: PSYC 570 and graduate standing in Psychology, or consent of instructor. Repeatable. S/U grading. F,S,SS.

**PSYC 581. Supervision & Consultation. 1 Credit.**

This class addresses APA requirements for didactics in supervision and consultation. It is a seminar class; students read and discuss texts on relevant topics, and complete class projects. Prerequisite: Graduate standing in Psychology or permission of instructor. SS, even years.

**PSYC 582. Affect & Cognition. 1 Credit.**

This class addresses APA requirements for didactics in the affective bases of behavior and the interaction between cognition and emotion. Students read and discuss texts on relevant topics, and complete class projects. Prerequisite: PSYC 539 and Graduate standing in Psychology or permission of instructor. SS, odd years.

**PSYC 587. Supervised Field Work. 1-3 Credits.**

Used primarily for individualized field placement so that the student may acquire practicum experiences in clinical settings, community psychology, and group methods. Prerequisite: Graduate standing in Psychology and consent of instructor. Repeatable. S/U grading.

**PSYC 588. Additional Supervised Clinical Experience. 1-3 Credits.**

Reflects clinical practica other than those required for the Clinical Psychology PhD. Prerequisite: Graduate standing in Psychology and permission of instructor. F,S,SS.

**PSYC 593. Readings in Psychology. 1-3 Credits.**

Prerequisite: Advanced standing in Psychology and consent of instructor. Repeatable.

**PSYC 594. Special Topics in Psychology. 1-3 Credits.**

Topical courses in Psychology organized on a semester-by-semester basis. Prerequisite: Graduate standing in Psychology or permission of instructor. Repeatable. On demand.

**PSYC 595. Seminar in Psychology. 1-3 Credits.**

Prerequisite: Consent of instructor.

**PSYC 596. Individual Research. 1-6 Credits.**

Repeatable.

**PSYC 996. Continuing Enrollment. 1-12 Credits.**

Repeatable. S/U grading.

**PSYC 997. Independent Study. 3 Credits.**

The independent study is designed to require the student independently to investigate a topic related to the field of forensic psychology. The study need not be an original contribution to knowledge but may be a presentation, analysis, and discussion of information and ideas already in the literature. The requirement for independent study is to ensure that a student can investigate a topic and organize a scholarly report on the investigation. Prerequisite: Graduate status in the Master of Arts. F,S,SS.

**PSYC 998. Thesis. 1-9 Credits.**

Thesis credit. Prerequisite: Department approval required. Repeatable to 9.00 credits.

**PSYC 999. Dissertation. 1-18 Credits.**

Dissertation Credits. Prerequisite: Department approval required. Repeatable to 18.00 credits. F,S,SS.