## Psychology (PSYC)

### Courses

**PSYC 111. Introduction to Psychology. 3 Credits.**
A survey of 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.

**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. Introduction to Statistics. 4 Credits.**
Descriptive and inferential statistics as applied to psychological measurement and experimentation. Prerequisites: PSYC 111 and MATH 103. F.S.

**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.

**PSYC 270. Abnormal Psychology. 3 Credits.**
A survey of the classification, symptoms, and etiology of psychological disorders and behavior pathology. Prerequisite: PSYC 111. F.S.

**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 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. Prerequisites: PSYC 111 and any basic statistics course. F.

**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. Prerequisites: 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. On demand.

**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 303. F.S.

**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. Prerequisites: Psychology major and BIOL 111 or BIOL 150 or BIOL 151 or ANAT 204. S.
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. Prerequisites: PSYC 303 and senior status. F.S.

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. Prerequisites: PSYC 111, PSYC 241, and PSYC 250 or consent of instructor. S, even 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. Prerequisites: PSYC 111 and PSYC 303. F.

PSYC 436. Perception. 4 Credits.
Perceptual basis of behavior. Prerequisites: PSYC 303 and BIOL 111 or BIOL 150 or BIOL 151 or ANAT 204 or PSYC 330. S.

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. Prerequisites: PSYC 303 and BIOL 111 or BIOL 150 or BIOL 151 or ANAT 204 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. Prerequisites: PSYC 111 and PSYC 303. F, odd 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). Prerequisites: 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. Prerequisites: PSYC 111, PSYC 303, and PSYC 361 or SOC 361. F.

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. Prerequisites: PSYC 111, PSYC 241, and PSYC 270 or consent of instructor. F.

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. Prerequisites: 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. SS.

PSYC 489. Senior Thesis. 1-6 Credits.
Supervised independent study culminating in a thesis. Prerequisites: PSYC 304, PSYC 494 (2 credits), GPA of 3.21 or higher, Junior status, and department permission. Repeatable to 6 credits. F, S, SS.

PSYC 492. Individual Projects in Psychology. 1-4 Credits.
This course is intended to provide students with indepth experiences not covered adequately in usual course offerings. These experiences may include independent research projects or extensive readings on topics of interest. Prerequisites: PSYC 111 and consent of instructor. Repeatable to 8 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. Prerequisites: Junior or senior status, "A" in course they are serving, minimum overall GPA of 3.2 or higher, and permission of instructor. Prerequisites or Corequisites: PSYC 320 and PSYC 492. Repeatable to 8 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. Prerequisites: PSYC 303 and consent of instructor. Repeatable to 8 credits. F, S, SS.

PSYC 499. Advanced Special Topics in Psychology. 1-4 Credits.
Repeatable when topics vary. Prerequisites: 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 528. Forensic Psychology Capstone. 3 Credits.
The culminating course for the Forensic Psychology Master of Arts program. Students are provided with the opportunity to synthesize knowledge and skills acquired throughout their program. Prerequisites: Graduate status in MA Forensic Psychology, PSYC 997, and expected graduation of the summer semester the course is taken.

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 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. Prerequisites: Graduate standing, college algebra, and introductory statistics.

PSYC 542. Multivariate Statistics for Psychology. 3 Credits.
The appropriate use and interpretation of multivariate data analytic techniques in psychology. Prerequisites: 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 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 standing 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 self, and group behavior. Also includes additional course readings and written work beyond the requirements for Psychology 460. Prerequisite: Graduate standing 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 standing in Psychology.

PSYC 570. Clinical Assessment I: Basic Issues in Clinical Assessment. 4 Credits.
Provides the conceptual and practical frameworks upon which to build expertise in the assessment and prediction of human behavior in relation to intellectual, psychological, and social dimensions. Serves as a graduate foundation to explore, analyze, and discuss basic and applied issues relevant to psychological and neuropsychological assessment and the assessment of high incidence behavioral disorders. Skills in report writing and case conference presentation will also be developed. Prerequisites: PSYC 570 and/or consent of instructor.

PSYC 571. Clinical Assessment II: Advanced Issues in Clinical Assessment. 4 Credits.
Provides the conceptual and practical frameworks upon which to build expertise in the assessment and prediction of human behavior in relation to personality assessment, behavioral assessment, neuropsychological assessment, and the assessment of high incidence behavioral disorders. Skills in report writing and case conference presentation will also be developed. Prerequisites: PSYC 570 and/or consent of instructor.

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. Prerequisites: PSYC 571, PSYC 573, and graduate standing in Psychology.

PSYC 573. Theories of Psychotherapy. 3 Credits.
Theory and practicum in individual psychotherapy, with emphasis on systematic comparison of major theoretical viewpoints. Prerequisite or Corequisite: PSYC 571 and/or consent of instructor.

PSYC 574. Advanced Therapeutic Interventions. 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.

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. Child Psychopathology and Treatment. 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 disorders. Prerequisites: PSYC 570 and PSYC 575, or instructor permission.

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. 1-3 Credits.
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. Prerequisites: PSYC 571, graduate standing in Psychology, and consent of instructor. Repeatable. S/U grading.

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. Prerequisites: Graduate standing in Psychology and consent of instructor. Repeatable.

PSYC 593. Readings in Psychology. 1-3 Credits.
Prerequisites: 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. Prerequisites: Graduate standing in Psychology or permission of instructor. On demand.

PSYC 595. Seminar in Psychology. 1-3 Credits.
Prerequisites: Consent of instructor.

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

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.
Repeatable to 9 credits.

PSYC 999. Dissertation. 1-18 Credits.
Repeatable to 18 credits.