## Courses

**PSYCH 101  INTRODUCTION TO THE PSYCHOLOGY MAJOR  1 Units**
Introduction to the Psychology Major outlines academic emphases and requirements within the major and introduces students to a breadth of psychological careers. Students will learn basics of APA style, become familiar with paths to graduate school and psychology-related careers, and plot their own course of study in the major.

PREREQ: PSYCHOLOGY MAJOR OR PSYCHOLOGY MINOR OR CONSENT OF INSTRUCTOR

**PSYCH 104  PSYCHOLOGY OF HUMAN ADJUSTMENT (GS)  3 Units**
Focuses on the processes of decision-making, conflict resolution, and value judgments. Emphasis will be on understanding practical methods for handling interpersonal relationships. Effective use of coping devices for college students and others will be studied. Enhancing the psychological resources for personal change and growth will be stressed.

**PSYCH 202  PSYCHOLOGY OF WOMEN (GS)  3 Units**
Inquiry into the psychology of women with an emphasis on theory and research. Study of gender differences in behavior and personality from intrapsychic and sociocultural viewpoint. Personality development and life stages of women.

**PSYCH 211  INTRODUCTORY PSYCHOLOGY  3 Units**
A survey of contemporary psychology covering human development, intelligence, abilities, sensation, perception, motivation, emotion, learning, personality structure, disordered behavior, social psychology, and the physiological bases of behavior. Includes an overview of current theory, research methods, and controversial issues in the field.

**PSYCH 215  BASIC STATISTICAL METHODS  3 Units**
An introduction to descriptive and inferential statistics. Topics include preliminary concepts, frequency distribution, graphic methods, measures of central tendency and variability, percentiles, probability, normal distribution, correlation analysis, sampling theory, parametric and selected non-parametric hypotheses-testing procedures. Lectures are supplemented by computational laboratory sessions.

PREREQ: GRADE OF C OR BETTER IN MATH 139 OR MATH 141

**PSYCH 216  RESEARCH METHODS  5 Units**
A laboratory course in the methodology of psychological research with emphasis on design, measurement, and statistical analysis appropriate for testing hypotheses in perception, learning, memory and other areas of general psychology. Students design and conduct experiments and write reports.

PREREQ: PSYCH 211 AND PSYCH 215

**PSYCH 301  INTRODUCTION TO BEHAVIORAL NEUROSCIENCE  3 Units**
A survey of the biological and physiological bases of human and animal behavior; with particular attention to the following: Basic principles of the anatomy, physiology, and biochemistry of the nervous system; sensory and motor systems; sleep; circadian rhythms; sexual behavior; emotion and stress; motivation; learning, memory, and language; neurological disorders; psychopathology.

PREREQ: PSYCH 211 OR BIOLOGY 110 OR 4 CREDITS IN BIOLOGY CROSS-LISTED: PSYCH 301 AND BIOLOGY 301

**PSYCH 302  THE BIOLOGICAL BASIS OF EMOTION  3 Units**
Explores the biological function of emotion, the physiological, neural, and psychological structure of emotion, and the biological mechanisms by which emotion interacts with other aspects of human behavior. Understanding of how scientific researchers explore the biology of behavior, and skills in reading, summarizing, and critiquing primary literature will be developed.

PREREQ: PSYCH 211

**PSYCH 303  LEARNING AND CONDITIONING  3 Units**
Studies the basic processes of how organisms modify their behavior. Topics include classical and instrumental conditioning, reinforcement, extinction, punishment and avoidance, generalization and discrimination, and biological constraints on learning.

PREREQ: PSYCH 211

**PSYCH 304  PSYCHOLOGY OF PERSONALITY  3 Units**
An introduction to the study of the uniqueness of the individual. Emphasis will be on research methods and on theories as well as on some of the more important characteristics on which individuals differ.

PREREQ: PSYCH 211

**PSYCH 305  PSYCHOLOGY OF PERCEPTION  3 Units**
A study of how sensations emerge from physical energies falling upon sense receptors and get organized into the percepts we call events, objects and object properties of the real world including our self image. Topics include illusions, hallucinations, and normal experiences with all the senses, especially touch, hearing, and vision.

PREREQ: PSYCH 211

**PSYCH 321  POSITIVE PSYCHOLOGY  3 Units**
This course provides an introduction to the scientific study of human flourishing including ideas such as hope, mindfulness, love, humor, wisdom and purpose. Students will gain an understanding of the current research into positive traits, experiences, and institutions and learn to apply evidence-based strategies for improving well-being in their lives.

PREREQ: PSYCH 211

**PSYCH 327  INTRODUCTION TO THE SCIENTIST-PRACTITIONER DISCIPLINES IN PSYCHOLOGY  3 Units**
A survey course designed to offer a comprehensive overview of the applied scientist-practitioner professions in psychology (e.g., clinical, school, industrial/organizational, and counseling psychology). Examines roles, activities, (assessment, diagnosis, consultation, intervention, and prevention), and current issues.

PREREQ: PSYCH 211

**PSYCH 330  LIFESPAN DEVELOPMENT  3 Units**
This course provides an examination of the biological, cognitive, social and emotional development of humans from conception to death. The course emphasizes typical developmental stages and patterns of adjustment to differing life-time demands as well as the role of cultural difference in the developmental process. The theories and principles of human development are examined in light of contemporary research.

PREREQ: PSYCH 211

**PSYCH 331  PSYCHOLOGY OF CHILDHOOD  3 Units**
An introduction to the psychological research on child development with emphasis on physical, cognitive, social and emotional development.

PREREQ: PSYCH 211

**PSYCH 332  PSYCHOLOGY OF ADOLESCENCE  3 Units**
An introduction to the psychological research on adolescent development with emphasis on physical, cognitive, social, emotional, sexual and moral development.

PREREQ: PSYCH 211
PSYCH 345 ABNORMAL PSYCHOLOGY 3 Units
An introductory survey of abnormal psychology covering the clinical syndromes included in the diagnostic classification system of the American Psychiatric Association. Current research regarding causal factors, treatment, and outcomes supplement descriptions of maladaptive patterns of behavior.
PREREQ: PSYCH 211 OR GRADUATE STANDING

PSYCH 351 COGNITIVE PSYCHOLOGY 3 Units
Course will explore processes of thought, attention, memory, language, and problem-solving. Students will explore various theories of cognition from traditional psychological theories (i.e., linguistic vs. image-based thought) to the current computer-based models (i.e., artificial intelligence) and examine relevant evidence to help us gain insight into the workings of the human mind.
PREREQ: PSYCH 211

PSYCH 355 SOCIAL PSYCHOLOGY 3 Units
The study of the individual (thus psychological) in social contexts (thus sociological), emphasizing such topics as interpersonal attractions, prejudice, leadership, formal and informal social roles, conflicts, brainwashing, social power, social influence, persuasion, stereotyping, conformity, obedience, group effectiveness, self-perception, and validation in social interaction of beliefs, values, attitudes, self-concepts.
PREREQ: PSYCH 211 OR PUBHLTH 101

PSYCH 383 HEALTH PSYCHOLOGY 3 Units
In this course, students will study the inter-relationship between psychology and health. Students will gain an understanding of the mind-body connection in the context of evidence-based approaches to disease prevention and wellness promotion through the lens of the biopsychosocial model.
PREREQ: PSYCH 211 OR PSYCH 351

PSYCH 394 DIRECTED RESEARCH IN PSYCHOLOGY Repeatable 3 Units
Students, under faculty supervision, participate in some of all phases of research projects, literature search, design, data collection and analysis, and preparation of research reports. Repeatable for a maximum of 6 credits in the psychology major or minor. Topics vary from term to term. Department Consent required.

PSYCH 407 PSYCHOLOGY OF EMOTION AND MOTIVATION 3 Units
Motivation is fundamental to human behavior, and emotion is intricately involved in motivational processes as both cause and effect. This course offers an introduction to the psychological bases of and interrelations between human emotion and motivation.
PREREQ: PSYCH 216 AND (PSYCH 302 OR PSYCH 304 OR PSYCH 330 OR PSYCH 351)

PSYCH 412 COMPARATIVE PSYCHOLOGY 3 Units
Comparative psychology is the study of animal behavior. Studying animals helps us understand what makes us uniquely human, and it also illuminates many areas of cross-species similarity. This course will examine the research on topics such as animal reasoning, language, and social behavior.
PREREQ: (PSYCH 216 OR BIO 303) AND (PSYCH/BIOLOGY 301 OR PSYCH 303 OR PSYCH 351) OR CONSENT OF INSTRUCTOR

PSYCH 415 RESEARCH DESIGN 3 Units
Several research strategies will be investigated. These will include using questionnaires, attitude and personality research, and interview research. Some of the statistical techniques covered will be: t-tests, chi-square, and various correlational techniques. A thorough discussion of numerous analysis of variance techniques will constitute a major portion of this course.
PREREQ: PSYCH 215 OR EQUIVALENT AND JUNIOR STANDING

PSYCH 416 ADVANCED AND MULTIVARIATE DATA ANALYSIS FOR THE LIFE SCIENCES 3 Units
An introduction to multivariate and multivariate data analyses commonly used in life sciences such as psychology and biology. Analyses include analysis of variance and covariance, multiple regression, foundations of structural equation modeling (path analysis and latent factor analysis), discriminant analysis and logistic regression.
PREREQ: PSYCH 215 OR BIOLOGY 303 OR CONSENT OF INSTRUCTOR AND JUNIOR STANDING

PSYCH 420 FOUNDATIONS OF PROFESSIONAL SCHOOL PSYCHOLOGY 3 Units
An examination of the history, foundations, legal/ethical, and role and function issues in school psychology. Particular attention will be focused on the exploration of specific models of school psychological service delivery, including direct intervention and school-based consultation with education and agency professionals. Instructor Consent required.

PSYCH 426 CROSS-CULTURAL PSYCHOLOGY 3 Units
This course examines the relationship between culture and psychological processes. We will explore theories and research in various areas (e.g., self, socialization, cognition, motivation, emotion, and well-being) from the perspective of culture. We will discuss the implications of cultural similarities and differences in these areas for the scientific study of psychology, and for our personal lives in a diverse society.
PREREQ: PSYCH 215 AND (PSYCH 355 OR PSYCH 304 OR PSYCH 330)

PSYCH 440 PSYCHOLOGICAL TESTS AND MEASUREMENTS 3 Units
Demonstrates the principles of psychological measurement. Demonstrates contents and uses of specific tests of mental ability, achievement, personality, interests, and special abilities. Field work: Group examination of regional schools' testing program - analysis of tests of this program.
PREREQ: PSYCH 216 AND (PSYCH 304 OR PSYCH 327)

PSYCH 444 PRINCIPLES OF BEHAVIOR MODIFICATION 3 Units
A survey of the various methods used in behavior modification programs. The background and theory of specific techniques will be carefully considered. The variables to be reviewed in establishing a sound program will be presented and evaluated.
PREREQ: PSYCH 216 AND PSYCH 303

PSYCH 475 HISTORY AND SYSTEMS OF PSYCHOLOGY 3 Units
An overview of major psychological theories and theoretical issues designed to assist the advanced student in organizing and integrating his knowledge of factual content in psychology and in completing a strong foundation for graduate study.
PREREQ: PSYCH 216 AND (PSYCH 303 OR PSYCH 304 OR PSYCH 305 OR PSYCH 351)
PSYCH 480   SCHOOL VIOLENCE AND CRISIS MANAGEMENT  3 Units
Advanced undergraduates and graduate students who have professional and/or scholarly interests in understanding variables associated with violence and crisis management in public school setting. Emphasizes: Psychological, developmental, and risk correlates of childhood aggression; critical examination of prevention and intervention models considered most effective and useful in the school setting; in depth understanding of crisis prevention and response models.
PREREQ: PSYCH 216 AND (PSYCH 331 OR PSYCH 327 OR PSYCH 345) OR CONSENT OF INSTRUCTOR

PSYCH 483   ADVANCED HEALTH PSYCHOLOGY  3 Units
An examination of how scientific knowledge of the biopsychosocial components in health and disease are applied to the development of prevention and interventions programs for physical disease and disability as well as the promotion of health. Includes attention to theory, assessment, and prevention and intervention techniques with an emphasis on their ethical and evidence-based applications in diverse populations.
PREREQ: PSYCH 216 AND PSYCH 383

PSYCH 486   INTERVIEW AND PSYCHOTHERAPY TECHNIQUES  3 Units
A review of the literature on interview techniques as a method of assessment and as a method of helping. Students will observe and discuss demonstrations conducted by faculty members. In addition, students will conduct, role-play, tape, and analyze interviews themselves.
PREREQ: PSYCH 216 AND (PSYCH 304 OR PSYCH 327)

PSYCH 487   FIELD TRAINING IN PSYCHOLOGY  3 Units
In this course students are placed in a supervised field experience in a selected agency or institution along with a classroom component. The course emphasizes application of psychological concepts and research in an applied setting.
PREREQ: PSYCH 216 AND CONSENT OF INSTRUCTOR; CONTACT INSTRUCTOR FOR APPLICATION PROCESS AND PREREQUISITES

PSYCH 489   FAMILY THERAPY  3 Units
Concepts, theories, and research in family therapy will be reviewed. Students will role-play family problems and treatment skills. This course does not qualify a student to practice family therapy, for which an internship and/or clinical placement and graduate degree are necessary.
PREREQ: PSYCH 486 OR SENIOR STANDING OR CONSENT OF INSTRUCTOR

PSYCH 490   WORKSHOP  Repeatable  1-6 Units
Variable topics. Group activity oriented presentations emphasizing "hands on" and participatory instructional techniques. Repeatable for a maximum of 6 credits in degree.
PREREQ: SENIOR STATUS OR CONSENT OF INSTRUCTOR

PSYCH 494   SEMINAR IN PSYCHOLOGY  Repeatable  1-3 Units
Variable topics. Group activity. An advanced course of study in a defined subject area emphasizing small group in intense study with a faculty member. Repeatable, with permission of the Psychology Department, for a maximum of 6 credits in major/degree.
PREREQ: 12 CREDITS IN PSYCHOLOGY

PSYCH 496   SPECIAL STUDIES  Repeatable  1-3 Units
Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings. Repeatable, with permission of department, for a maximum of 6 credits in major/degree.
PREREQ: 12 CREDITS IN PSYCHOLOGY OR CONSENT OF INSTRUCTOR AND JUNIOR STANDING