

**Undergraduate Course Descriptions Effective Fall 2007**

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## **Psychology**

### **PSY 2000 - Principles of Psychology**

Introduction to the scientific study of psychological structures and processes involved in individual and group behavior. Explores theoretical accounts of the foundations of human behavior and examines empirical support. Topics may include personality, disorders, therapy, development, and social psychology, perception, learning, cognition, emotion, and states of consciousness.

**Credits:** 3.0

**Lec-Rec-Lab:** (3-0-0)

**Semesters Offered:** Fall, Spring, Summer

### **PSY 2100 - Counseling Psychology**

Major approaches used in contemporary counseling psychology, the current status of the profession, and ethical issues encountered will be examined to provide students with a broad understanding of the field. This course does not train students to be counselors.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Spring - Offered alternate years beginning with the 2004-2005 academic year

**Pre-Requisite(s):** PSY 2000

### **PSY 2200 - Behavior Modification**

An introduction to techniques of behavior modification through the application of learning theories such as classical and operant conditioning. Students will conduct a case study project designed to modify a personal behavior.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Fall - Offered alternate years beginning with the 2004-2005 academic year

**Pre-Requisite(s):** PSY 2000

### **PSY 2501 - Intro to the Psychology Major: Tools and Technology**

Psychology majors examine the field of psychology and major degree requirements resulting in an undergraduate plan of study focused on graduate school admission or career preparation. An introduction to the technological tools used within psychology, including hardware, software, and instrumentation.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Spring

**Restrictions:** Must be enrolled in one of the following Major(s): Psychology

**Pre-Requisite(s):** PSY 2000(C)

**PSY 2720 - Statistics for the Social and Behavioral Sciences**

An understanding of statistical concepts and ability to conduct statistical analyses (using both hand calculation and SPSS) as used in Social and Behavioral Sciences research. Topics include descriptive statistics, correlation, and inferential statistics through ANOVA.

**Credits:** 4.0

**Lec-Rec-Lab:** (0-4-0)

**Semesters Offered:** Fall

**Restrictions:** Must be enrolled in one of the following Major(s): Psychology, Social Sciences, Liberal Arts with History Opt

**Pre-Requisite(s):** MA 1020 or MA 1031 or MA 1032

**PSY 3000 - Experimental Methods & Stats**

Introduction to experimental design, general research methodology, and the computer analysis and interpretation of data. Emphasizes issues and methods involved in psychological research. Topics include experimental design and validity, choosing appropriate data analysis techniques, and statistical analysis using SPSS.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Spring

**Pre-Requisite(s):** PSY 2000 and (MA 2720 or PSY 2720)

**PSY 3001 - Experimental Methods and Statistics II**

Second course in psychological research methodology and statistics, both experimental and non-experimental. Students design, execute, interpret, and report psychological research.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Fall

**Restrictions:** Must be enrolled in one of the following Major(s): Psychology; May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000 and PSY 3000

**PSY 3010 - Theories of Personality**

Introduction to the variety of approaches to personality that underlie many clinical models. Discusses the formulation of personality theory, its purpose, and problems associated with personality theory generation. Emphasizes classical and contemporary theories of personality, their various applications to human behavior, and a review of relevant research findings.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Spring

**Pre-Requisite(s):** PSY 2000 and (UN 1002 or UN 1003)

**PSY 3030 - Abnormal Psychology**

Helps the student build an understanding of abnormal behavior through critical examination of historical and contemporary models used in this field. The student learns the causes and treatment proposed by Cognitive-Behavioral, Psychodynamic and Sociocultural Models with particular emphasis placed on the Diagnostic and Statistical manual used by clinicians for diagnoses.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Fall, Summer

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000 and (UN 1002 or UN 1003)

**PSY 3040 - History/Systems of Psychology**

Traces major historical contributions to current psychology from ancient to modern times. Examines significant ideas and discoveries from philosophy, mathematics, and the natural and medical sciences as they relate to the development of psychology. Discusses philosophical, theoretical, and methodological controversies that surfaced as part of these historical developments.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Pre-Requisite(s):** PSY 2000 and UN 2002

**PSY 3050 - Developmental Psychology**

A survey of human development across the life span (prenatal, infant, child, adolescent, and adult) in the areas of biological, cognitive, social, emotional, and personality development. Provides students with insight into both the universality of human development and the uniqueness of individuals.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Spring

**Pre-Requisite(s):** PSY 2000 and (UN 1002 or UN 1003)

**PSY 3060 - Physiological Psychology**

Technological advances in the field of psychophysiology will serve as the foundation for understanding the application of psychophysiology in areas such as psychopathology, clinical health psychology, the detection of deception, human factors psychology, and environmental design.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Spring

**Pre-Requisite(s):** PSY 2000 and UN 2002 and (BL 1020 or BL 1040 or BL 2010 or BL 2400)

**PSY 3070 - Cross-Cultural Psychology**

Introduces the student to cross cultural psychology and sociocultural theory as it is applied to psychology. Examines research on cultural specific and universal behaviors. Emphasizes the benefits and challenges of diversity in organizations and diversity skills that promote interpersonal and organizational success.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Pre-Requisite(s):** PSY 2000 and (UN 1002 or UN 1003)

**PSY 3090 - Directed Research: Undergraduate Research Assistant in Psychology**

Directed research in the field of Psychology through the application of research techniques.

**Credits:** variable to 3.0; May be repeated

**Semesters Offered:** Fall, Spring, Summer

**Restrictions:** Permission of instructor required; Must be enrolled in one of the following Major(s): Psychology; May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000

**PSY 3095 - Teaching Assistant**

Undergraduate Teaching Assistant for Principles of Psychology or other Psych course, including tutoring, assessment, test construction.

**Credits:** variable to 3.0; May be repeated

**Semesters Offered:** Fall, Spring, Summer

**Restrictions:** Permission of instructor required; Must be enrolled in one of the following Major(s): Psychology

**Pre-Requisite(s):** PSY 2000

**PSY 3160 - Behavioral Neuroscience**

A survey of the field of behavioral neuroscience (understanding how the brain controls behavior, perception, and thought). The course will cover the basic structure of the nervous system, research techniques, the motor and sensory systems and complex motivated behaviors such as sleep, reproduction, and eating.

**Credits:** 3.0

**Lec-Rec-Lab:** (3-0-0)

**Semesters Offered:** Fall

**Pre-Requisite(s):** PSY 2000 and (BL 1020 or BL 1040 or BL 2010 or BL 2400)

**PSY 3200 - Motivation and Emotion**

Introduction to the theoretical, physiological, cognitive, and behavioral factors underlying the processes of motivated behaviors and emotional states. Emphasis is placed on methods for studying motivation and emotion and their role in human behavior.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000

**PSY 3260 - Sensation and Perception**

The structure and function of human and non-human sensory and perceptual systems will serve as the basis for an examination of the applications of perception research to areas such as virtual reality, human factors engineering, robotics and sports skills training.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000

**PSY 4010 - Cognitive Psychology**

A systematic survey of classical and contemporary research topics in human information processing and learning. Topics include models of cognition, perception/pattern recognition, attention, the nature of mental representation and processing; the architecture of memory, imagery, concepts, and prototypes; reasoning, decision making, problem solving, and cognitive development.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Fall

**Pre-Requisite(s):** PSY 2000 and (UN 1002 or UN 1003)

**PSY 4020 - Industrial Organizational Psychology**

The psychology of work and organizations. Introduction to the use and application of psychology in the workplace. Focus is on the development of employees and organizational structure, and social behavior including the management of work groups and organizations.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Fall - Offered alternate years beginning with the 2006-2007 academic year

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000 and UN 2002(C)

**PSY 4050 - Psychology of Science and Technology**

Applies experimental and cognitive psychology to the endeavors of science, invention, and innovation. This examination of discovery and invention will provide students with an understanding of the application of psychological science to fields such as Business, Engineering, Computer Science, Law and Medicine. Emphasis will be placed on the bridges psychological findings provide to non-psychology fields.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000 and UN 2002

**PSY 4080 - Topics in Psychology**

An examination of a specific area or approach within the field of Psychology.

**Credits:** variable to 4.0; May be repeated

**Semesters Offered:** On Demand

**Pre-Requisite(s):** PSY 2000 and UN 2002

**PSY 4090 - Independent Study in Psychology**

Designed to allow students to participate in independent readings and research in a variety of areas within psychology.

**Credits:** variable to 3.0; Repeatable to a Max of 9

**Semesters Offered:** Fall, Spring, Summer

**Restrictions:** Permission of instructor required; Must be enrolled in one of the following Major(s): Psychology; May not be enrolled in one of the following Class(es): Freshman, Sophomore

**Pre-Requisite(s):** PSY 2000 and PSY 4000(C)

**PSY 4095 - Field Experience in Psychology**

Firsthand experience with the application of psychological principles in the field through volunteer placement with a community agency or business. Students are responsible for obtaining field placement site in coordination with instructor. Students complete a comprehensive paper.

**Credits:** variable to 3.0; Repeatable to a Max of 6

**Semesters Offered:** Fall, Spring, Summer

**Restrictions:** Permission of instructor required; Must be enrolled in one of the following Major(s): Psychology; May not be enrolled in one of the following Class(es): Freshman, Sophomore

**Pre-Requisite(s):** PSY 2000 and PSY 2500

**PSY 4100 - Environmental Psychology**

Psychological effects of the physical environment and effects of human action on the sociophysical environment, including an examination of global environmental issues and ecologically-relevant behavior.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000 and UN 2002(C)

**PSY 4110 - Learning and Memory**

Theories of learning and memory from traditional animal research findings, human research, and more recent trends examining the neural basis of learning and memory will be examined to understand changes in behavior, including the acquisition and retention of knowledge.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000

**PSY 4120 - Human Factors Psychology**

Basic psychological concepts critical to the design of human-technological systems. This class provides an applied perspective of psychological research and insight into the most unpredictable and error-prone component of human-machine systems - the human! Appropriate for both psychology and engineering students.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Fall - Offered alternate years beginning with the 2007-2008 academic year

**Pre-Requisite(s):** PSY 2000

**PSY 4220 - Psychology and Law**

Application of psychological principles to legal concerns and the interaction of psychology and law. Topics include perception, memory, and decision-making processes as applied to eyewitnesses, identification and evaluation of suspects, jury trials, capital punishment, and other current topics.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Spring - Offered alternate years beginning with the 2005-2006 academic year

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman

**Pre-Requisite(s):** PSY 2000

**PSY 4500 - Senior Seminar: Psychology Capstone**

Focusing on career preparation or application to graduate programs, an intensive exploration into an aspect (e.g., teaching, service, research) and area (e.g., experimental, developmental, clinical) of psychology will enhance learning and unify knowledge and experiences acquired as a psychology major.

**Credits:** 2.0

**Lec-Rec-Lab:** (0-2-0)

**Semesters Offered:** Fall, Spring, Summer

**Restrictions:** Must be enrolled in one of the following Major(s): Psychology; May not be enrolled in one of the following Class(es): Freshman, Sophomore

**Pre-Requisite(s):** PSY 4000 and PSY 4001(C)

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