

# EXP: Experimental Psychology Courses

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## Courses

### EXP 3905 Directed Study

College of Health, Department of Psychology

1-12 sh (may be repeated indefinitely for credit)

### EXP 4204 Sensation and Perception

College of Health, Department of Psychology

3 sh (may not be repeated for credit)

This course examines the different senses (vision, audition, touch, smell, and taste), the neurological systems that process specific sensory information, and what impacts how we perceive sensory information. This course is a survey of the essential topics in sensation and perception. Topics will include the neural mechanisms involved in coding sensory information, visual processing, audition, speech perception, cutaneous and chemical senses, development of perceptual processes, and impairment of vision and hearing.

### EXP 4250 Human Factors Psychology

College of Health, Department of Psychology

3 sh (may not be repeated for credit)

This course surveys the field of human factors psychology. Specifically, the principles of psychology from various specialty areas (e.g., cognitive, experimental, industrial/organizational, physiological etc.) will be applied to the study of human performance in work settings. Students will learn how work is designed to capitalize on cognitive and physical capabilities and compensate for human limitations. Students will also become familiar with the tools and techniques that human factors psychologists use to study human-machine interaction and work design.

### EXP 4404 Psychology of Learning

College of Health, Department of Psychology

3 sh (may not be repeated for credit)

Prerequisite: PSY 2012

This course focuses on the principles and applications of learning theories, including conditioning and extinction, reinforcement and punishment, attention, memory, cognitive processes and physiological correlates of memory and cognition.

### EXP 4507 Memory and Cognition

College of Health, Department of Psychology

3 sh (may not be repeated for credit)

This course is a survey of the theory and literature related to the study of human memory and cognition.

### EXP 4905 Directed Study

College of Health, Department of Psychology

1-12 sh (may be repeated indefinitely for credit)

### EXP 5256 Human Factors Psychology

College of Health, Department of Psychology

3 sh (may not be repeated for credit)

This course explores the field of human factors psychology. Specifically, the principles of psychology from various specialty areas (e.g., cognitive, experimental, industrial/organizational, physiological etc.) will be applied to the study of human performance in work settings. Students will learn how work is designed to capitalize on cognitive and physical capabilities and compensate for human limitations. Students will also become familiar with the tools and techniques that human factors psychologists use to study human-machine interaction and work design.

### EXP 5735 Experimental and Correlational Statistics for Psychology

College of Health, Department of Psychology

3 sh (may not be repeated for credit)

Experimental and Correlational Statistics for Psychology introduces basic principles of data analysis with an emphasis on application. Students demonstrate principles of data analysis through hands-on data work and discussions of statistical techniques. This course prepares graduate students to responsibly handle data; choose and apply appropriate statistical techniques to evaluate, analyze, and interpret data; and convey results to academic and practitioner audiences.

### EXP 5905 Directed Study

College of Health, Department of Psychology

1-12 sh (may be repeated indefinitely for credit)

### EXP 6506 Advanced Cognitive Psychology

College of Health, Department of Psychology

3 sh (may not be repeated for credit)

This course focuses on current research and theorizing in the various topics of memory and cognition, including attention, memory systems and processes, representation of knowledge, metamemory, language, problem solving, expertise, decision making, and creativity.

### EXP 6905 Directed Study

College of Health, Department of Psychology

1-12 sh (may be repeated indefinitely for credit)