

University of Arkansas - Fort Smith
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General Syllabus

PSYC 41333 Physiological Psychology

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisite: PSYC 26133 Research Methods in Psychology, BIOL 10043/10031 Biological Science/Laboratory or higher and one of the following: ENGL 10203

Composition II, ENGL 14343 Honors Composition, or ENGL 24603 Introduction to Writing Studies

Effective Catalog: 2019-2020

I. Course Information

A. Catalog Description

Examines neuro-anatomical structures and functions of the brain that underlie human behavior. Emphasizes neurophysiology of the central and peripheral nervous systems; function, and behavioral correlates of sensory systems; the physiology underlying maladaptive behaviors and various developmental and neuro-degenerative diseases. Brief laboratory exercises.

B. Additional Information

Required for majors

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Demonstrate knowledge of the mammalian nervous systems;
2. Examine the significance of ethics in animal and human research;
3. Display familiarity of all sensory systems and their functions; and
4. Explain the physiology underlying common behaviorally related diseases such as substance abuse, eating disorders, Alzheimer's, etc.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Global and Cultural Perspectives

Students will reflect upon cultural differences and their implications for interacting with people from cultures other than their own.

Communication Skills (written and oral)

Students will communicate effectively with a variety of audiences in any setting.

Analytical Skills**Critical Thinking Skills**

Students will draw conclusions and solve problems.

III. Major Course Topics

- A. Scientific method
- B. Ethics in behavioral research
- C. APA style writing
- D. Neurophysiology
- E. Sensory systems
- F. Biology
- G. Behavioral disorders