

**University of Arkansas - Fort Smith**  
**5210 Grand Avenue**  
**P. O. Box 3649**  
**Fort Smith, AR 72913-3649**  
**479-788-7000**

## **General Syllabus**

### **PSYC 4133 Physiological Psychology**

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisite: PSYC 2613 Research Methods in Psychology, BIOL 1153/1151 Biological Science/Laboratory or higher and one of the following: ENGL 1213 Composition II, ENGL 1233 Honors Composition, or RHET 2863 Advanced Composition

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