

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

## **General Syllabus**

### **PSYC 36133 Experimental Psychology**

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisite: PSYC 26133 Research Methods in Psychology

Prerequisite or corequisite: PSYC 35033 Behavioral Statistics

Effective Catalog: 2019-2020

#### **I. Course Information**

##### **A. Catalog Description**

Application of various methodologies used in conducting scientific research in psychology. Emphasizes ethical conduct in research. Includes database searching of empirical research literature, scientific writing in APA Style, design, data collection and interpretation.

##### **B. Additional Information**

This course is required. Application of the research principles gained in PSYC 26133 Research Methods in Psychology, MATH 21033 Probability and Statistics and PSYC 35033 Behavioral Statistics. Must be taken concurrently with PSYC 35033.

#### **II. Student Learning Outcomes**

##### **A. Subject Matter**

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

1. Understand the significance of ethics in research
2. Critically examine the ethical principles in conducting behavioral research
3. Illustrate a strong foundation of knowledge of the scientific method and its application
4. Apply statistical procedures to behavioral data
5. Design and execute a complete empirical research study

##### **B. University Learning Outcomes**

This course enhances student abilities in the following areas:

**Ethical Decision Making**

Students will recognize and analyze ethical dilemmas.

**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**

Students will use critical thinking skills to draw conclusions and solve problems.

**III. Major Course Topics**

- A. Inferential Statistics
- B. Experimental Design
- C. Scientific Method
- D. Ethics in Behavioral Research
- E. APA Style Writing
- F. Development of Data Collection Instruments