

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

## **General Syllabus**

### **PSYC 3503 Behavioral Statistics**

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisite: PSYC 2613 Research Methods in Psychology

Prerequisite or corequisite: PSYC 3613 Experimental Psychology

Effective Catalog: 2019-2020

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

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

Descriptive and inferential statistics used in conducting behavioral research; the collection and analysis of data; hypothesis testing; and application of various statistical methodologies. Computer spreadsheets and other electronic programs are used.

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

This course is required.

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

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

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

1. Employ statistical principles gained in PSYC 2503
2. Demonstrate the knowledge and effective use of various statistical procedures
3. Evaluate and apply advanced statistical procedures to behavioral research
4. Prepare for the Senior Comprehensive Examination

##### **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 Skills**

Students will draw conclusions and solve problems.

**III. Major Course Topics**

- A. Descriptive Statistics
- B. Inferential Statistics
- C. Conducting Behavioral Research
- D. Collection and Analysis of Data
- E. Hypothesis Testing