

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

## **General Syllabus**

### **ELEC 290V Electronics: Special Topics**

Credit Hours: 1 to 5

Lecture Hours: 1 to 5

Lab Hours: 0 to 6

Prerequisite: Consent of department head

Effective Catalog: 2018-2019

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

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

Designed to give special instruction for new and emerging topics in electronics that are not otherwise covered in the curriculum. Topics in these emerging technologies will be offered periodically based on the recognized needs of the field and the availability of instruction. May be repeated for a total of five hours.

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

Students in this class will be given an opportunity to study advanced or specialized applications of electronics through lecture/demonstration and laboratory activities when appropriate. This course is intended for the student with a specialized interest in the emerging topic being presented.

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

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

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

1. Research, develop and provide solutions to design and troubleshoot problems that are assigned by the instructor. Work is to be completed in accordance with defined standards, in the semester assigned, using available resources of the electronics labs.
2. Prepare and present a portfolio of class assignments and accomplishments including a description of special activities or projects included in the study of specialized topics.
3. Complete an examination covering the major objectives of the class to determine the student's level of content mastery.

**B. University Learning Outcomes**

This course enhances student abilities in the following areas:

Individualized for each course.

**III. Major Course Topics**

- A. Introduction to emerging topic
- B. History of evolution to current technology
- C. Specific components of new technology
- D. Applications of technology to current field
- E. Forecasting future applications and breadth of impact
- F. Summary of topic and final exam