**ELEN 4490 Developments in Devices**

**Class Schedule:** 3 Credit course, meeting the equivalent of 3-50 minute class periods per week

**Course Coordinator**: EECE Department Chair

**Course Materials:** To be selected based on course topics

**Course Description:** Course content is announced prior to each term. Students may enroll in the course more than once because subject matter changes. Depending upon the subject matter and the instructor, the class may be taught in traditional lecture format or as a seminar which focuses on readings from the current literature. Possible topics include optoelectronic devices, nano-scale devices, solid-state devices, integrated electronic devices, power devices, electro-mechanical devices, quantum devices.

**Prerequisites**: Consent of Instructor or Senior Standing

**Selected Elective** in the Electronic Devices and Systems area.

**Contribution to Professional Component**: Engineering Science (% determined by topic)

Engineering Design (% determined by topic)

**Course Goals:** Specific to topic being taught

**Course Objectives:**

*By the end of this course, you should....*

This list is to be developed for each section of ELEN 4490 offered.

**Contribution to Program Objectives**: partial fulfillment of Criterion 3 objectives A and K

Other objectives may be met depending upon course topic.

**Course Topics:**

Particular topic(s) to be chosen at time of course offering.

Last modified: 1/24/18