**ELEN 4290 Developments in Energy and Power**

**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 as subject matter changes. May be taught in traditional lecture format or as a seminar which focuses on readings from current literature. Topics may include: electronics for machine and drive systems, electrical transients, faults and diagnostics and protection in power devices and systems, renewable energy systems, smart grids and advanced topics in the electric energy engineering area.

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

**Selected Elective** in Power and Energy 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 4290 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