

**ECE 490-494 – SEMINAR**

**Type (check one):** Required: \_\_\_\_\_ Elective:  X

**2005-2006 Catalog Data:** ECE 490–494. Seminar. (Formerly EE 490-494) Special series of lectures on selected topics. Course credit assigned may range from zero to two. *One semester; zero to two credits.*

**Prerequisites:** Depends upon topic

**Co-Requisites: :** Depends upon topic

**Textbook: :** Depends upon topic

**Other Required Materials:** Depends upon topic

**Other References:** Depends upon topic

**Instructor:** Depends upon topic

**Course Objectives:** Depends upon topic

**Prerequisites by Topics:** Depends upon topic

**Topics:** Depends upon topic

**Class Schedule:** Depends upon topic

**Prepared by:**  Dr. Eric B. Welch  **Date:**  November 2005

**Professional Component:  
ECE 490-494 – SEMINAR**

**All Information in this section depends upon topic**

Category (check one)	<input type="checkbox"/> Math/Basic Science <input type="checkbox"/> Engineering <input type="checkbox"/> General Education <input type="checkbox"/> Other
Design (check one)	<input type="checkbox"/> Significant <input type="checkbox"/> Some <input type="checkbox"/> None
Realistic Constraints (check all that apply)	<input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input type="checkbox"/> Sustainability <input type="checkbox"/> Manufacturability <input type="checkbox"/> Ethical <input type="checkbox"/> Health & Safety <input type="checkbox"/> Social <input type="checkbox"/> Political

**Relationship to Program Outcomes:**

Check all that apply:

- (a) an ability to apply knowledge of mathematics, science, and engineering
- (b) an ability to design and conduct experiments, as well as to analyze and interpret data
- (c) an ability to design a system, component, or process to meet desired needs
- (d) an ability to function on multi-disciplinary teams
- (e) an ability to identify, formulate, and solve engineering problems
- (f) an understanding of professional and ethical responsibility
- (g) an ability to communicate effectively
- (h) the broad education necessary to understand the impact of engineering solutions in a global and societal context
- (i) a recognition of the need for and an ability to engage in life-long learning
- (j) a knowledge of contemporary issues
- (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

Note: This class has not been taught recently