

ABET Course Syllabus

1. Course Number and Name: **ECE414 – Electrical and Computer Engineering Project I**
2. Credits and Contact Hours: **1 credit, 1 contact hour**
3. Instructor: **Bernard Friedland**
4. Textbook: **No textbook required for this course**
5. Specific Course Information:

Prepare and submit technical proposal for the senior design (“Capstone”) project to be executed the following semester in either ECE416 or ECE417.

Discuss issues relating to the engineering profession, including such topics as: intellectual property, sources of technical information, engineering codes and standards, professional organization, professional registration.

Prerequisite: Senior standing

Required of all ECE students.

6. Specific goals for the course

a. Specific outcomes of instruction:

- 1. Ability to prepare a technical proposal for a substantial project**
- 2. Recognition of some of the issues relating to the engineering profession**

b. Explicitly indicate which outcomes listed in Criterion 3 or other outcomes are addressed in this course.

Outcomes	Satisfies Criterion 3 Item
1. Technical Proposal	a,b,c,d,e,g,k
2. Professional Issues	f,h,j

7. Brief list of topics to be covered

1. Prepare proposal for senior project
2. Discuss issues in professional practice
 - A. Intellectual Property
 - B. Sources of technical information
 - C. Professional standards and organizations
 - D. Professional registration