

Department of Electrical and Computer Engineering
ECE 416- Electrical and Computer Engineering Project II

3credits, 3 contact hours

INSTRUCTOR: Professor Kenneth S. Sohn, SeD., PE Office: ECE013 Tel: 973.506.3517

TEXTBOOK(S) REQUIRED: None

DESCRIPTION

Prerequisites: ECE 414. Continuation and completion of the project based on the proposal approved in ECE 414. Progress of the project is monitored by the instructor with demonstrations and presentations at given due dates of the regularly scheduled course. An oral presentation and demonstration of the project by the student team must be given and a written report submitted at the end of the course. Successful projects are approved for the presentation at the Senior Design Project Workshop in the presence of students, faculty and industry representatives.

The course is required in COE and EE programs.

COURSE LEARNING OUTCOMES

1. Students proceed from an initial design to a successful project implementation.
2. Students test hardware and software performance, analyze data, and make design decisions.
3. Students work in teams consisting of members with different skills and experience
3. Students enhance their technical oral and writing presentation skills.

Relevant Student Outcome	Course Learning Outcome
a, b, e, k	1, 2
c	1
d	3
g	3

OUTLINE

Student proposal and discussions: Week 1-2

Final design and strategies must be set by 3-rd week.

Interim progress report: Week 3 and Week 7.

Demonstration, oral presentation and Final Report: Week 12-14

Senior Design Project Workshop Presentation: to be announced