

Department of Electrical and Computer Engineering

Name of Instructor: Dr. Charles Kim

Course Number
EECE 102

Course Title
Intro to Electrical and Computer Eng.

Semester
Spring 2007

Catalog Data: EECE 102, Introduction to Electrical and Computer Engineering, 1 Credit: Continuation of EGPP-101 (Intro to Engineering) as related to the electrical and computer engineering profession and systems. Fundamentals of electrical engineering and computer engineering curricula, specialization and concentrations are covered. Problem solving skills and communication are highly emphasized.

Text Book: TBA

References: TBA

Coordinator: Prof. Charles Kim
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Goals:

1. To enable freshman students to understand Electrical and Computer Engineering curricula fundamentals, specializations, and different professions.
2. Prepare the students for successful career options in Electrical and Computer Engineering. Core values and special skills set required for successful career.

Prerequisite: Freshman standing in Electrical and Computer Engineering
It is the responsibility of the student to ensure that these prerequisites are met.

Topics:

1. Introduction to Electrical and Computer Engineering
2. Introduction to Electrical and Computer Engineering specialization and requirement
3. Electrical and Computer Engineering Curriculum
4. Design of one's own 4-year degree plan
5. Communication skills: written, oral, and resume writing
6. Problem Solving Skills and Practices
7. Computational tools and simulations
8. Problem Solving Projects
9. Ethics and professional development

Grading:

1.	Technical Writing Assignments	20%
2.	Presentation Assignment	10%
3.	Projects	40%
4.	Other Assignments	20%
5.	Final Exam	10%

Final Course Grade:

A:	100 - 90
B:	89 - 80
C:	79 - 70
D:	69 - 60
F:	< 59

ABET Category Content: Engineering Science: 1

ABET Outcomes and Assessment

- (e) Students should obtain an ability to identify, formulate, and solve engineering problems. Metric - Project Grading.
- (f) Students should obtain an understanding of professional and ethical responsibility. Metric - Report grading
- (g) Students should obtain an ability to communicate effectively. Metric - Technical writing and presentation grading.
- (i) Students should recognize the need for, and an ability to engage in life-long learning. Metric - Grading on report on this topic and subject.