Department of Electrical and Computer Engineering  
The Johns Hopkins University

520.137 Introduction to Electrical and Computer Engineering  
Fall 2002

Instructor  Prof. Trac D. Tran  
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Office Hour: Monday 2-4 or by appointment.

Course Web Page  http://thanglong.ece.jhu.edu/Course/137/

Lectures  Monday Tuesday Wednesday 12:00 - 1:00 PM, Shaffer 100.  
Lab Sessions, Barton 123.

Textbooks


Course Description

• An introductory course covering the principles of electrical and computer engineering including sinusoidal wave forms, electrical measurements, digital circuits, and applications of electrical and computer engineering. Laboratory exercises, the use of computers, and a design project are included in the course. Open to freshman Engineering majors and any Arts and Sciences majors. 3 credits.

• Prerequisites: high-school mathematics and physics.

• Corequisites: none.

• Computer Usage: Matlab for data analysis, plotting, and simulations.
Exams

- Exam I: Tuesday, 10/08/2002, Shaffer 100
- Exam II: Wednesday, 11/06/2002, Shaffer 100
- Final Exam: comprehensive, will be scheduled in the Final Exam Period.

Homework Assignments

- Six homework assignments, issued approximately once every two weeks.

Final Project

- Students are expected to work in teams of 3 on a specific topic that will be announced later.
- A final project report is required from each team.

Grading

- Exam I: 15%
- Exam II: 15%
- Final Exam: 30%
- Laboratory Assignments: 15%
- Homework Assignments: 15%
- Final Project: 10%