520.137 Introduction to Electrical and Computer Engineering

Fall 2004

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

Lectures  Monday Tuesday Wednesday 12:00 - 1:00 PM, Shaffer 2.
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; familiarity with Calculus will be helpful.
• Corequisites: none.
• Computer Usage: Matlab for data analysis, plotting, and simulations.

Exams
• Exam I: Monday, 10/04/2004, Shaffer 2.
• Exam II: Wednesday, 11/03/2004, Shaffer 2.
• Final Exam: comprehensive, will be scheduled in the Final Exam Period.
• One 8.5” × 11” cheat sheet allowed for each exam.

Homework Assignments
• Six homework assignments, issued approximately once every two weeks.

Laboratory Assignments
• Six lab assignments, approximately once every two weeks.
• Lab sessions are held in Barton 123.

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%