520.137 Introduction to Electrical and Computer Engineering
Fall 2014

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

Lectures  Monday Wednesday Friday 12:00 - 12:50 PM, Shaffer 303.
Lab Sessions, TBA, Hackerman 224.

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 and a final design project are included in the course. Open to freshman Engineering majors and any Arts and Sciences majors. 3 credits. Computer Usage: Matlab for data analysis, plotting, and simulations.

- Prerequisites: high-school mathematics and physics; familiarity with Calculus will be very helpful. Corequisites: none.
Exams

- Exam I: Friday, 10/03/2014, Shaffer 303. One 8.5\" × 11\" cheat sheet allowed.
- Exam II: Friday, 10/31/2014, Shaffer 303. One 8.5\" × 11\" cheat sheet allowed.
- Final Exam: comprehensive, Wednesday, 12/17/2014, Shaffer 303. Three 8.5\" × 11\" cheat sheets allowed.

Homework and Lab Assignments

- Seven-eight homework assignments.
- Six lab assignments, approximately once every two weeks, held in Hackerman 224.

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: 20%
- Exam II: 20%
- Final Exam: 30%
- Laboratory Assignments: 10%
- Homework Assignments: 10%
- Final Project: 10%