520.137 Introduction to Electrical and Computer Engineering

Fall 2011

Instructor
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Teaching and Lab Assistant
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Course Web Page
http://thanglong.ece.jhu.edu/Course/137/

Lectures
Monday Wednesday Friday 12:00 - 1:00 PM, Shaffer 301.
Lab Sessions, CSEB 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: Wednesday, 09/28/2010, Shaffer 301.
  One 8.5” × 11” cheat sheet allowed.

- Exam II: Wednesday, 11/02/2010, Shaffer 301.
  One 8.5” × 11” cheat sheet allowed.

- Final Exam: comprehensive, Thursday, 12/15/2009, Shaffer 301.
  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 CSEB 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%