EP145 Introduction to Engineering

Topic 0
Introduction to Course

Department of
Engineering Physics
University of Gaziantep

Sep 2012

Web Resources for the Course

- Course web page
  http://www.gantep.edu.tr/~bingul/ep145
- Lecture Notes,
  Example Exam Questions and Results
- Also search Google and Wikipedia for any of the expressions used in this course.

The Course Books

Exploring Engineering
Philip Kosky
~ 80 $

Engineering Fundamentals
Saeed Moaveni
~ 125 $

Course Content

- Introduction to Course
- History of Engineering
- Overview of Engineering Disciplines
- Concepts Every Engineer Should Know
- Elements of Engineering Analysis
- Use of Spreadsheets and GNU plot
- Linear Programming
- Length, Time, Mass, ... Related Parameters
- Energy and Power
- Engineering Economics
- Engineering Ethics
- Engineering Fields
- An Engineering Design - case study

Lectures, Attendance & Exams

- Wednesdays
two-hour lecture
  13:30-15:20 Engineering of Physics Salon 3 (First Ed.)
  20:40-22:20 Engineering of Physics Salon 3 (Second Ed.)

- Attendance
  You must attend at least 70% of the course

- Exams
  All written exams
  - 1st mid-term 30% ?? November 2012
  - 2nd mid-term 30% ?? December 2012
  - Final 40% ?? January 2013

Grading

Independent from the arithmetic mean of the class, the following rules will be applied for each student:

- 00 – 24 >> FF
- 25 – 39 >> FD
- 40 – 45 >> DD
- 46 – 54 >> DC
- 55 – 59 >> CC
- 60 – 64 >> CB
- 65 – 74 >> BB
- 75 – 84 >> BA
- 85 – 100 >> AA