



EP145 Introduction to Engineering

Topic 0

Introduction to Course



Department of
Engineering Physics
University of Gaziantep

Sep 2012

Sayfa 1

Web Resources for the Course

- Course web page

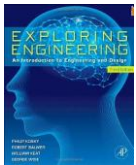
<http://www.gantep.edu.tr/~bingul/ep145>

*Lecture Notes,
Example Exam Questions and Results*

- Also search *Google* and *Wikipedia* for any of the expressions used in this course.

Sayfa 2

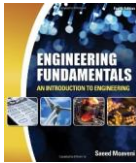
The Course Books



Exploring Engineering

Philip Kosky

~ 80 \$



Engineering Fundamentals

Saeed Moaveni

~ 125 \$

Sayfa 3

Course Content

- Introduction to Course
- History of Engineering
- Overview of Engineering Disciplines

*General
Introduction
to
Engineering*

- Elements of Engineering Analysis
- Use of Spreadsheets and GNU plot
- Linear Programming
- Length, Time, Mass, ... Related Parameters
- Energy and Power
- Engineering Economics
- Engineering Ethics

*Concepts
Every
Engineer
Should
Know*

- Engineering Fields
- An Engineering Design - case study

Sayfa 4

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

Sayfa 5

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**

Sayfa 6