



Major Course Learning Objectives:	Upon successful completion of this course the student will be expected to:
1.	Prepare a laboratory report using proper format and data presentation techniques.
2.	Introduce the infrastructure of computer networks.
3.	Define the various career pathways in engineering technology.
4.	Convert units between measurement systems and within measurement systems.
5.	Perform dimensional analysis on complex engineering equations.
6.	Demonstrate understanding and application of basic organizational and management concepts.
7.	Utilize mathematical formulas to design, implement, and troubleshoot manufacturing systems.
8.	Utilize computer graphics software to analyze and explain engineering problems.
9.	Understand the systematic approach to problem solving.
10.	Utilize spreadsheets for engineering calculations, data analysis, and data presentation.
11.	Understand how to set up a laboratory experiment, gather and analyze data, and present the results in a proper format.
12.	Form teams and work in collaboration to solve engineering technology problems.

Semester Outline:

Wk 1 - 1/12	Lecture 1, Assignment = Read Chapter 1
Wk 2 - 1/19	Special Project, Assignment = Read Chapter 2
Wk 3 - 1/26	Lecture 2, Assignment = Read Chapter 3
Wk 4 - 2/2	Lecture 3, Assignment = Read Chapter 4
Wk 5 - 2/9	Lecture 4, Assignment = Read Chapter 5
Wk 6 - 2/16	Lecture 5, Assignment = TBD
Wk 7 - 2/23	Review, Assignment = Prepare for Mid-Term
Wk 8 - 3/1	Mid Term, Assignment = Read Chapter 6
3/8	No Class, Assignment = Read Chapter 7
Wk 9 - 3/15	Lecture 6, Assignment = Read Chapter 8
Wk 10 - 3/22	Lecture 7, Assignment = Read Chapter 9
Wk 11 - 3/29	Lecture 8, Assignment = Read Chapter 10
Wk 12 - 4/5	Lecture 9, Assignment = TBD
Wk 13 - 4/12	Lecture 10, Assignment = TBD
Wk 14 - 4/19	Lecture 11, Assignment = TBD
Wk 15 - 4/26	Review, Assignment = Prepare for Final
Wk 16 - 5/3	Final

Chapter Agendas:	An agenda will be given for each week. The agenda will provide reading and homework assignments.
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