ME 360L - Mechanical Engineering Design III - Fall 2005
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Office Hours: 2:00 PM - 4:00 PM M/W

Book: Pro/ENGINEER Wildfire 2.0 - MECHANICA Tutorial (Structure / Thermal) Integrated Mode - Roger Toogood (Lab)

Week	Date	Description
1	8/22	Introduction to the class and class procedures - Assignment read chapter 1 in Toogood
	8/24	Overview of Finite Element Analysis - Assignment read chapter 2 in Toogood
	Lab	Review of Pro/E
2	8/29	Statics - Truss problem
	8/31	Solving Linear Equations
	Lab	More Review of Pro/E
3	9/5	HOLIDAY - NO CLASS
	9/7	LU Decomposition
	Lab	Chapter 3 - Solids Modeling 1
4	9/12	Problem Solving
	9/14	Introduction to Finite Elements
	Lab	Chapter 4 - Solids Modeling 2
5	9/19	Finite Element Truss Problem
	9/21	More Finite Element Truss Problem
	Lab	Chapter 5 - Plane Stress and Plane Strain
6	9/26	Problem Solving
	9/28	Triangular Elements
	Lab	Chapter 6 - Axisymmetric Solids and Shells
7	10/3	More Triangular Elements
	10/5	Problem Solving
	Lab	Chapter 7 - Shell Models
8	10/10	Review for Exam I
	10/12	**Exam I**
	Lab	Chapter 8 - Beams and Frames - Fall Break 10/13
9	10/17	Review of Exam I
	10/19	Introduction to the Project

	Lab	More Chapter 8 Beams and Frames
10	10/24	NO LECTURE
	10/26	NO LECTURE
	Lab	Chapter 9 - Miscellaneous Topics
11	10/31	More on Project
	11/2	CAD Concerns for Finite Element Analysis
	Lab	Chapter 10 - Thermal Modeling
12	11/7	FEA Modeling Concerns
	11/9	More FEA Modeling Concerns
	Lab	Work on Project
13	11/14	Engineering Economics
	11/16	Case Study Engineering Economics
	Lab	Work on project
14	11/21	Engineering Ethics
	11/23	More Engineering Ethics
	Lab	Work on project
15	11/28	Review for Exam II
	11/30	**EXAM II**
	Lab	Work on project
16	12/5	Project Presentations
	12/7	Project Presentations
	Lab	Project Due