

<u>Date</u>	<u>Topics</u>	<u>Sections Covered</u>	<u>Homework Collected</u>
1/13	Statics review	Statics Review, 1.1	-----
1/15	Stress	1.1, 1.2	HW1 (To be announced)
1/17	Stress components	1.3, 1.4	HW2
1/20	-----	<u>Holiday</u> -----	-----
1/22	Design considerations	1.5	HW3
1/24	Strain, axial deformation	2.1	HW4
1/27	Axial def, statically ind..	2.1, 2.2	HW5
1/29	Temperature change	2.3 <u>Quiz 1</u>	HW6
1/31	3D Hooke's Law	2.4-2.8	HW7
2/3	Stress concentrations	2.10, 2.11	HW8
2/5	Plastic deformation	2.12	HW9
2/7	Torsional stresses	3.1	HW10
2/10	Gears & statically ind.	3.2, 3.3	HW11
2/12	Design of shafts	3.4-3.6 <u>Quiz 2</u>	HW12
2/14	Pure bending	4.1, 4.2	HW13
2/17	Exam review	-----	-----
2/19	Chapters 1-3	<u>Exam 1</u>	-----
2/21	Bending deformation	4.2, 4.3	HW14
2/24	Composite beams	4.4, 4.5	HW15
2/26	Elastoplastic beams	4.6, 4.7 <u>Quiz 3</u>	HW16
2/28	Transverse loading	5.1	HW17
3/3	V and M diagrams	5.2	HW18
3/5	Design of beams	5.3	HW19
3/7	Shear flow in beams	6.1	HW20
3/10	Shear stresses in beams	6.1, 6.2	HW21
3/12	Thin walled members	6.3, 6.4 <u>Quiz 4</u>	HW22
3/14	Stress transformations	7.1	HW23
3/17 – 3/21	-----	Spring Break -----	-----
3/24	Exam review	-----	-----
3/26	Chapters 4-6	<u>Exam 1</u>	-----
3/28	Mohr's circle	7.2 – 7.4	HW24
3/31	Failure criteria	7.5	HW25
4/2	Pressure vessels, plane strain	7.6, 7.7 <u>Quiz 5</u>	HW26
4/4	Measurement of strain	7.8, 7.9	HW27
4/7	Combined loading	8.1, 8.3	HW28
4/9	Combined loading..	8.3	HW29
4/11	Beam deflections	9.1	HW30
4/14	Statically ind beams	9.2	HW31
4/16	Singularity functions	9.3 <u>Quiz 6</u>	HW32
4/18	Superposition	9.4	HW33
4/21	Column buckling	10.1, 10.3	HW34
4/23	Exam preparation	Final Exam Review	HW35
4/25	Reading day		

Exams 1 and 2 will be at night, Final Exam will be during the scheduled time