Date	Day	Asgt	Articles	AEM 250 Fall 2019 Topics	Problems Assigned
08/21	W	1	Ch. 1.,2.1-2, App. A-B	Introduction, Normal Stress	2.2-4, 8, 17
08/23	F	2	2.3-4	Extensional Strain, Stress-Strain Diagrams	2.3-3, 5, 9
08/26	M	3	2.5-6	Temp. Effects, Hooke's Law & Poisson's Ratio	2.3-15, & 2.4-5 & 2.6-4
08/28	W	4	2.7	Shear Stress and Strain; Equilibrium for Shear Stress States	2.7-1, 8, 13
08/30	F	5	2.8-9	Design, Stresses on an Inclined Plane	2.8-1, 9, 15
09/02	M		HOLIDAY		
09/04	W	6	2.10-11	St. Venant's Principle, E-G-nu Relation	2.9-4, 5, 9
09/06	F	7	2.12	General Stress and Strain	2.12-1,3, 6
09/09	M	8	2.13	3-D Hooke's Law	2.13-2, 5, 8
09/11	W	9	3.1-4	General Axial Deformation Members	3.3-8, 10
09/13	F	10	3.1-4	Uniform Determinate Axial Deformation Members	3.4-2, 3, 10
09/16	M	11	3.5	Indeterminate Axial Deformation Members	3.5-2, 5, 12
09/18	W			**Questions/Answers & Night Exam**	
09/20	F	12	3.6-7	Thermal Stresses, Misfits	3.6-8, 13 & 3.7-6
09/23	M	13	4.1-3	Torsion	4.3-2, 11, 12
09/25	W	14	4.4-5	Testing, Torsion of Systems	4.4-4 & 4.5-1, 11
09/27	F	15	4.6-7	Indeterminates in Torsion	4.6-2, 7, 14
09/30	M	16	5.1-2	Equilibrium of Beams	5.2-2, 13, 17
10/02	W	17	5.3-5	Shear and Moment Diagrams	5.5-1, 11, 14
10/04	F	18	App. C.1-2	Moments of Inertia	Handout on website
10/07	M	19	6.1-3	Strain-Displacement Analysis of Beams	6.2-1, & 6.3-1, 3
10/09	W	20	6.3-4	Flexural Stresses in Beams, Beam Design	6.3-10, 17 & 6.4-2
10/11	F	21	6.8-9	Transverse Shear Stresses in Beams	6.8-4, 11, 12
10/14	M	22	6.8-9	Transverse Shear Stresses in Beams	6.8-3, 9
10/16	W			**Questions/Answers & Night Exam**	
10/18	F	23	7.1-3	Beam Deflection	7.3-2, 5, 6
10/21	M	24	7.1-3	Beam Deflection-Matching Boundary Conditions	7.3-12, 15
10/23	W	25	7.4	Indeterminate Beams	7.4-2, 5
10/25	F	26	8.1-3	Stress Transformation	8.3-1, 5
10/28	M	27	8.4-5	Maximum Stresses/2D Mohr's Circle	8.4-5 & 8.5-20
10/30	W	28	8.5	2D Mohr's Circle	8.5-6, 15, 25
11/01	F			CLASSES DISMISSED	
11/04	M	29	8.6	3D Mohr's Circle, Absolute Maximum Shear Stress	8.6-1, 5, 10
11/06	W	30	8.7-8	Plane Strain Transformation	8.8-8, 10, 11
11/08	F	31	8.9-11	Strain Gages, Mohr's Circle for Strain	8.9-4 & 8.10-5
11/11	M	32	9.1-2	Thin Walled Pressure Vessels	9.2-3, 6
11/13	W	33	9.4	Combined Loading	Handout on website
11/15	F	34	9.4	Combined Loading	9.4-6, 10
11/18	M	35	10.1-2	Buckling of Pin-Ended Columns	10.2-1, 10
11/20	W			**Questions/Answers & Night Exam**	
11/22	F	36	10.3	Column End Conditions	10.3-8, 9, 11
11/25	M	37	12.1-2	Stress Concentrations	12.2-2, 9, 18
11/27	W		HOLIDAY		
11/29	F		HOLIDAY		
12/02	M	38	12.3	Failure Criteria for Ductile Materials	12.3-3, 13
12/04	W	39	12.3	Failure Criteria for Brittle Materials	12.3-9, 14
12/06	F			Question/Answer Session	

09/18	7:00 PM	**EXAM 1--Chapters 1-2**
10/16	7:00 PM	**EXAM 2--Chapters 3-6**
11/20	7:00 PM	**EXAM 3--Chapters 7-9**

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