

EM319, Fall 2005

Schedule 1

Week	Date	Reading	Homework Problems
1	August 31	Introduction	
	September 2	Normal stress and strain 1.1, 1.2	
2	5	Labor Day (no class)	
	7	Hooke's law 1.5	
	9	Mechanical properties of materials 1.3, 1.4	First homework due!
3	12	Shear stress and strain 1.6	
	14	Structural analysis and design 1.7, 1.8	
	16	Axially loaded members 2.1, 2.2	
4	19	Nonuniform bars 2.3	
	21	Statically indeterminate problems 2.4	
	23	Thermal effects 2.5	
5	26	Misfit and prestrains 2.5	
	28	Stresses on inclined sections 2.6	
6	October 4	Quiz #1: 7-9pm, Location TBD	