

EM319, Fall 2005: Schedule 2

Week	Date	Reading	Homework Problems
5	September 30	Torsional deformation 3.1, 3.2	
6	October 3	Torsion of circular bar 3.3	
	5	Nonuniform torsion and Shafts 3.4, 3.7	
	7	Statically indeterminate torsion 3.8	
7	10	Stress and strain in pure shear 3.5, 3.6	
	12	Beams: Shear forces and bending moments 4.1, 4.2, 4.3	
	14	Beams: Shear force and bending moment diagrams 4.4, 4.5	
8	17	Shear force and bending moment diagrams	
	19	Beams: pure bending and nonuniform bending 5.1, 5.2	
	21	Beams: curvature and strain 5.3, 5.4	
9	24	Beams: normal stresses 5.5	
	26	Beams: design for bending stresses 5.6, 5.7	
	28	Beams: shear stresses 5.8	
10	31	Beams with flanges 5.9, 5.10	
	November 2	Shear stresses in wide-flanged beams 5.10, 6.8	
	4	Built-up beams 5.11	
11	7	Beams: deflection curve 9.1, 9.2	
	9	Beams: deflections by integration 9.3, 9.4	
	11	Beams: deflections by superposition 9.5	
12	November 17	Quiz #2: 7-9pm	