

THE UNIVERSITY OF TENNESSEE
Department of Mechanical, Aerospace and Biomedical Engineering
 March 30, 2008

BME/ME 559
Section 001

Advanced Mechanics of Materials
Spring 2008

TR 3:40 - 4:55 P. M.
212 Perkins Hall

Instructor: Dr. Boulet, 607 Dougherty Engineering Bldg., 974-8376, boulet@utk.edu
 Office Hours: TR 2:00 - 3:00 P. M. and WF 11:00 A. M. - Noon
 Required Text: *Advanced Mechanics of Materials*, 2nd Ed., Cook & Young, Pearson, 1999

Day	Date	Reading	Problems	Page(s)
1	January 10	1.1 - 1.3	---	---
2	15	1.4 - 1.8	1.4-2, 1.5-2, 1.6-7, 1.7-1	21 - 23
3	17	2.1 - 2.3	2.3-2, 3, 4 (a), (b)	46 - 47
4	22	2.4 - 2.6	2.5-2, 2.6-2 (a) - (e) (for 2.3-2b)	47 - 48
5	24	2.7	2.7-4	49
6	29	3.1 - 3.4	3.2-4; 3.3-3 (a), (c), (d); 3.3-9	70 - 71
7	31	3.5	3.5-3; 3.5-4	72 - 73
8	February 5	3.6	3.6-1, 3.6-3 (a), 3.6-6; handout	75 - 76
9	7	4.1	4.1-4, 4.1-5	119
10	12	4.2 - 4.4	4.2-1, 4.2-2	120
11	14	4.4 - 4.5	4.4-1, 4.5-2, 4.5-4, 4.5-5	121 - 122
12	19	4.6 - 4.8	4.6-4, 4.6-11, 4.7-4, 4.7-6	123 - 125
13	21	4.9 - 4.10	4.10-2, 4.10-4	129
14	26	4.11 - 4.12	4.11-3, 4.12-3	130 - 131
15	28	5.1 - 5.3	5.3-5, 5.3-6, 5.3-7	153
16	March 4	5.4	5.4-6, 5.4-9, 5.5-12,	155 - 157
17	6	5.6	5.6-4 (a), (b), (c)	158 - 159
18	11	Examples	---	---
19	13	NO CLASS		
	14 - 21	NO CLASS - SPRING BREAK/RECESS		
20	25	5.7	5.7-3	159 - 160
21	27	6.1 - 6.3	6.2-7, 6.3-1, 6.3-2	184
22	April 1	6.4	6.4-3	186
23	3	6.7	6.7-3	188 - 189
24	8	10.1 - 10.2	10.2-5; 10.2-6 (a), (b)	338
25	10	10.3	10.3-3, 10.3-4	340
26	15	10.4	10.4-6 (a), (b), (c); 10.4-8	342
27	17	10.5 - 10.6	10.5-1 (b); 10.6-1 (b), (e)	342 - 343

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28	April 22	13.1 - 13.4	13.4-2, 13.4-6	434 - 435
29	24	13.6 - 13.8	13.8-5, 13.8-12 (a)	438 - 439

DROP/ADD DEADLINES: January 18, April 1
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STUDY DAYS: April 26, 27, 28 and May 3, 4
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FINAL EXAMS: April 29, 30 and May 1, 2, 5, 6

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