

Spring 2009
Engineering Mechanics 424
Intermediate Mechanics of Materials

Text: Advanced Mechanics of Materials, Bickford
 Supplementary Web Notes: www.public.iastate.edu/~e_m.424
 Downloads: <ftp://ftp.cnde.iastate.edu/>

1	M	Jan	12	Stresses, MATLAB
2	W		14	Stresses
3	F		16	"
4	M		19	UNIVERSITY HOLIDAY
5	W		21	Strains, Stress-Strain
6	F		23	"
7	M		26	"
8	W		28	Stress Concentrations
9	F		30	Failure and Failure Criteria
10	M	Feb	2	"
11	W		4	"
12	F		6	Fatigue and Fracture
13	M		9	"
14	W		11	"
15	F		13	Strain Energy
16	M		16	"
17	W		18	Energy Methods
18	F		20	"
19	M		23	"
20	W		25	"
21	F		27	"
22	M	March	2	" TAKE HOME MID-TERM EXAM
23	W		4	"
24	F		6	The Finite Element Method
25	M		9	"
26	W		11	"
27	F		13	"

-SPRING BREAK -

28	M		23	Strain Compatibility, Equilibrium, B.C.s
29	W		25	"
30	F		27	Thick wall pressure vessels, shrink-fits
31	M		30	"
32	W	April	1	Torsion Problems
33	F		3	"

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34	M	April	6	"
35	W		8	"
36	F		10	"
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37	M		13	"
38	W		15	Unsymmetrical Bending
39	F		17	"
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40	M		20	Shear stresses in thin beams
41	W		22	"
42	F		24	Combined Torsion, Bending
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43	M		27	" TAKE HOME FINAL EXAM
44	W		9	"
45	F	May	1	"

- FINALS -
