

THE UNIVERSITY OF ALABAMA
Aerospace Engineering and Mechanics
AEM 251--Mechanics of Materials Laboratory
Text: A.E. Carden, Mechanics of Materials Laboratory Manual
Course Coordinator: M. E. Barkey

Spring Sestester 2008

WEEK	DATE			EXP. NO.	LAB
1	01/09	-	01/11	-	No Lab Sessions This Week
2	01/14	-	01/18	0	Introduction and Course Policy, and Sources of Variation and Error
3	01/21	-	01/25	-	No Lab Sessions This Week
4	01/28	-	02/01	I	Tension Test of Low Carbon Steel
5	02/04	-	02/08	II	Tension Test of Aluminum/Copper
6	02/11	-	02/15	III	Discussion of Tension Test
7	02/18	-	02/22	IV	Torsion Test of Steel
8	02/25	-	02/29	V	Distribution of Normal Stresses in a Beam
9	03/03	-	03/07	VI	Distribution of Shearing Stresses in a Beam
10	03/10	-	03/14	-	Beam Deflection
11	03/17	-	03/21	-	No Lab Sessions This Week
12	03/24	-	03/28	IX	Deflection Test of Small Metal Beams
13	03/31	-	04/04	-	No Lab Sessions This Week
14	04/07	-	04/11	VII	Biaxial State of Stress in a Pressure Vessel
15	04/14	-	04/18	VIII	Stress State under Combined Loading
16	04/21	-	04/25	X	Test of Pin-Ended Colums
17	04/28	-	05/02	-	Final Exam*

*Final Exams during study week are approved for lab classes.

See <http://mbarkey.eng.ua.edu> for more course information.