

Fall 2015

## **ENCE 2311**

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*University of New Orleans*

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**UNO ENCE 2311-001**  
**MECHANICS OF MATERIALS LAB**  
**Fall 2015**

Instructor: Dr. Norma Jean Mattei, PE  
 Office: Rm 830 Engr. Bldg., EXT 6325  
 Office Hours: TUES 4pm or by appt.

Credits: 1 hr (3 lab contact hrs per wk)  
 Mtg. Times: TUES 1- 4 pm  
 Mtg. Place: Engr. Bldg. Rm. 119

**Prerequisites:** Statics, Computer Prog., and concurrent registration or credit in Mechanics of Materials  
**Text:** none

**GRADING:**

90-100	A
80-89.9	B
70-79.9	C
60-69.9	D
Below 60	F

**GRADES BASED ON:**

Lab Reports	40%
Midterm	20%
Participation & Attendance	10%
Final	30%

**Lab reports:** Lab reports are due at the beginning of the next class. There is a 20% penalty per week late. Reports are graded on accuracy, completeness, neatness, presentation, and promptness. All reports must be typed. Reports should be as brief as possible and to the point. Graphs can be hand-plotted but use of a spreadsheet is encouraged.

Wk 1	Aug 25	Exp #2	Verification of UHTM	None
Wk 2	Sep 1	Exp #3	Tensile Test (9/8 is last day to drop w/o a "W")	Report
Wk 3	Sep 8	Exp #4	Preparation of concrete cylinders	*
Wk 4	Sep 15	Exp #5&6	1st compression test of cylinders	*
Wk 5	Sep 22	Exp#7	Torque test	Report
Wk 6	Sep 29	-	No class	
Wk 7	Oct 6	Exp#8	2nd compression (report on Exp #4, #5 & #8)	*
Wk 8	Oct 13	TEST	Midterm exam (10/14 is last day to drop with "W")	
Wk 9	Oct 20	Exp #12	Production line test	Report
Wk 10	Oct 27	Exp #9	Beam bending test	Report
Wk 11	Nov 3	Exp #10	Column buckling test	Report
Wk 12	Nov 10	Ex#1	Shear, Hardness tests (demo only) and Review	**
Wk 13	Nov 17	TEST	Final Exam	
Wk 14	Nov 24		Hold for hurricane make-up class, etc.	
Wk 15	Dec 1		Hold for hurricane make-up class, etc.	
Wk 16	Dec ?			

\* Report due after Exp #8

\*\* No report for direct shear or hardness

Report Format:

- 1) Title page
- 2) Objective
- 3) Equipment used
- 4) Theory
- 5) Procedure
- 6) Data and results
  - 6.1) Charts, tables, and graphs
  - 6.2) Calculations
- 7) Discussion and Conclusions