

**ENGR 2100, Fundamentals of Engineering Mechanics
Spring Term 2012**

Prerequisite: PHYS 1600, Engineering Physics I

Required Text: The textbook required for ENGR 2100, Fundamentals of Engineering Mechanics, during Spring Semester 2012 will be: David Cicci, *Fundamentals of Engineering Mechanics: Statics, Dynamics, and Mechanics of Materials, 10th Edition, Version 2*. Earlier editions and versions of this text are obsolete and should not be used for this course. The textbook is NOT available at any of the campus bookstores. It is ONLY available at: Sofy Copy & Fax Service, 145 E Magnolia Avenue (located in Magnolia Plaza behind Zazu), phone: (334) 821-4657. You should purchase this textbook prior to the first day of classes.

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Office hours: MWF 9:00-10:00, others by appointment
Web: <http://schwartz.eng.auburn.edu/2100/ENGR2100.pdf>

Attendance: Lectures generally will be on Wednesday and Friday. A recitation session will be held on Monday. Attendance is not required, but is very strongly urged.

Course Objective: To provide the student with the fundamentals of engineering mechanics in preparation for the FE examination.

Course Outcome: The ability to identify, formulate, and solve engineering problems. [ABET outcome 3(e)]

Assessment: **There will be no examinations nor will there be a comprehensive final examination.** Your entire grade will be determined by your performance on a series of approximately 14 in-class, 15-minute quizzes given on Wednesdays (with a two exceptions) during the last 15 minutes of the class. If you miss a quiz, *for whatever reason*, please see me **immediately** to schedule a make-up quiz. A quiz cannot be made up after quizzes are handed back.

Homework: You are expected to know how to solve the six (6) problems at the end of each lesson. Homework will NOT be collected or graded, but will be the basis for all in-class quizzes given during the semester.

Academic Integrity: The highest standards of academic integrity are expected. You are free to work with one another to solve the homework problems, but the quizzes are expected to be your individual efforts. Consult the *Tiger Cub*, or speak to me if there are any questions.

Special Accommodations: Students requiring special accommodations should contact the Director of the Program for Students with Disabilities, located in 1232 Haley Center.

Grading Policy: The following scale will be used to determine your minimum grade: A (100-90); B (89-80); C (79-70); D (69-60); F (< 60). Your numerical score (NS) will be calculated by Excel® 2010 as follows: **NS = Quiz grade average × 10** rounded (by Excel®) to the nearest integer.

Academic Contingency: If normal class and/or lab activities are disrupted due to illness, emergency, or crisis situation (e.g., flu outbreak, hurricane, Martian invasion), the syllabus and other course plans and assignments may be modified to allow completion of the course. If this occurs, an addendum to your syllabus and/or course assignments will replace the original materials.

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COURSE SCHEDULE

DATE		LESSON#	QUIZ
Monday	1/9	Lessons #1 & #2	None
Wednesday	1/11	Lessons #3 & #4	None
Friday	1/13	Lessons #5 & #6	None
Monday	1/16	No Class - Martin Luther King Day	None
Wednesday	1/18	Recitation	None
Friday	1/20	Lessons #7 and #8	Quiz #1 (3, 5, 6)
Monday	1/23	Recitation	None
Wednesday	1/25	Lesson #9	Quiz#2 (7,8)
Friday	1/27	Lesson #9	None
Monday	1/30	Recitation (15 th Class Day)	None
Wednesday	2/1	Lessons #10 & #11	Quiz #3 (9)
Friday	2/3	Lesson #12	None
Monday	2/6	Recitation	None
Wednesday	2/8	Lesson #14	Quiz #4 (10,11,12)
Friday	2/10	Lesson #15	None
Monday	2/13	Recitation	None
Wednesday	2/15	Lesson #16	Quiz #5 (14,15)
Friday	2/17	Lessons #17 & #18	None
Monday	2/20	Recitation	None
Wednesday	2/22	Lessons #19	Quiz #6 (16,17,18)
Friday	2/24	Lessons #20 & #21	None
Monday	2/27	Recitation	None
Wednesday	2/29	Lessons #22 & #23 (36 th Class Day is 3/1)	Quiz #7 (19,20,21)
Friday	3/2	Lesson #24	None
Monday	3/5	Recitation	None
Wednesday	3/7	Lesson #25 & #26	Quiz #8 (22,23,24)
Friday	3/9	Lessons #27	None
Monday	3/12	SPRING BREAK	None
Wednesday	3/14	SPRING BREAK	None
Friday	3/16	SPRING BREAK	None
Monday	3/19	Recitation	None
Wednesday	3/21	Lesson #28	Quiz #9 (25,26,27)
Friday	3/23	Lesson #29	None
Monday	3/26	Recitation	None
Wednesday	3/28	Lesson #30	Quiz #10 (28,29)
Friday	3/30	Lesson #31	None

DATE		LESSON #	QUIZ
Monday	4/2	Recitation	None
Wednesday	4/4	Lesson #32	Quiz #11(30,31)
Friday	4/6	Lesson #33	None
Monday	4/9	Recitation	None
Wednesday	4/11	Lesson #33	Quiz #12 (32)
Friday	4/13	No Class	None
Monday	4/16	Recitation	None
Wednesday	4/18	Lesson #35	Quiz #13 (33)
Friday	4/20	Lesson #40	None
Monday	4/23	Recitation	None
Wednesday	4/25	Last Class-Quiz Only	Quiz #14 (35,40)