

ENGR 2243 – MECHANICS OF MATERIALS

Spring 2009

Syllabus

Instructor: Bill Saari

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Office Hours: 12:00 – 12:50 MWF, 11:00 – 11:50 TR

Course Website: <http://www.ar.cc.mn.us/saari/engr2243>

Course Description: Introduction to load deformation, stress, strain, stress-strain relationship, buckling, energy concepts, and stress analysis of structural and machine elements.

Prerequisite: C or better in ENGR 2241 or equivalent

Textbook: Mechanics of Materials, 7th Edition, by Gere

Grading:

Grades will be determined based on a weighted average of percentages on exams.

5 Exams: $5 \times 20\% = 100\%$

A > 90%, B > 80%, C > 70%, D > 60%, F < 60%

Exams: Exams will be closed book, closed notes. Exam 5 will be during the final exam week, but will **not** be cumulative. There will be no make-up exams except under extreme cases determined at the discretion of the instructor, and only one make-up exam will be allowed. In order to be even considered for a make-up exam, you must contact me on or prior to the scheduled date for the exam.

Homework: Homework will be assigned on a regular basis. Homework will not count towards your grade, but it is critical that you do all of the homework problems. You can submit your homework to me if you would like feedback on your work.

Academic Dishonesty: You are encouraged to work with others in the class. However, I expect the work you turn in to be your own efforts. Instances of academic dishonesty will be dealt with according to the regulations of Anoka-Ramsey Community College.

Class Conduct: You are expected to be courteous towards the instructor and your classmates. Class disruptions include: arriving late for class, talking during lecture with other students, and cell phones not turned off during class. You will be allowed to arrive late to class up to three times for the entire course without penalty. After that, one point per late arrival will be deducted from your next exam score. There is no penalty for not attending class. For instances of talking during lecture, you will receive up to three warnings, after which you will receive a one point deduction per instance of talking on your next exam score. Group activities where you are expected to work with your classmates are exempt from this. A one point deduction will be taken on your next exam per instance that your cell phone rings (ring tone or vibrate mode) after the third instance. Further actions can be taken for these and other class disruptions in accordance with the Student Handbook.

Tentative Course Schedule

Week of	Monday	Wednesday	Friday
Jan 12	Ch 1	Ch 1	Ch 1
Jan 19	No Class	Ch 1	Ch 1
Jan 26	Ch 2	Ch 2	Ch 2
Feb 2	Ch 2	Ch 2	Ch 3
Feb 9	Ch 3	Exam 1	Ch 3
Feb 16	No Class	Ch 3	Ch 3
Feb 23	Ch 3	Ch 4	No Class
Mar 2	Ch 4	Exam 2	Ch 4
Mar 9	Ch 4	Ch 5	Ch 5
Mar 16	No Class	No Class	No Class
Mar 23	Ch 5	Ch 5	Ch 5
Mar 30	Ch 7	Exam 3	Ch 7
Apr 6	Ch 7	Ch 7	Ch 7
Apr 13	Ch 8	Ch 8	Ch 8
Apr 20	Ch 9	Exam 4	Ch 9
Apr 27	Ch 9	Ch 9	Ch 10
May 4	Ch 10	Ch 10	Ch 11
Exam 5: Monday, May 11, 8:00-9:30am			