Syllabus for Engr225 Winter 2011

Note: This syllabus is subject to change. Please check the website for the most recent version. I usually include your feedback on office hours etc.

Mechanics of Materials

Instructor: Rainer Heller
Office: SAM210
Email: rheller@sccd.ctc.edu
Website: www.seattlecentral.edu/faculty/rheller
Office Hours: MTTh 1-1:50 and W 11-11:40

Text: 

Tools: Required - a simple/non-graphing scientific calculator, a couple colors of pens/pencils, graph paper

Meeting Times: daily 10:00-10:50am, SAM206

Content: This course is an introduction to the concepts of stress, deformation and strain in solid materials. Basic relationships between loads, stresses, and deflections of structural and machine elements such as rods, shafts and beams are developed. The load-carrying capacity of these elements under tension, compression, torsion, bending and shear forces are considered.

Course Format: There will be daily lectures. Your active participation is essential in making the class a success. Read the material before class and come equipped with questions.

Assessment:
Biweekly exams (lowest score will be dropped): 75%
Homework 25%

Exams:
There will be about 5-6 one-hour exams. The lowest score will be dropped. The quizzes will all count equally (no 'special' final exam). There won't be any makeup quizzes. I am planning on holding the exam at the beginning of a week as many of you are taking dynamics at the same time.

Homework:
Homework will be due once a week. The problem sets will be available on the class web site. Solutions will be posted on the web site as well. The lowest homework score will be dropped.

Homework will be group assignments. A group should consist of two students unless the total number of students in the course is odd.
Your homework must be turned in on time. I won't accept any late homework.

Special Assistance  If you need course adaptations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please see me during my office hours as soon as possible. I am happy to help you in any way I possibly can.

And let's not forget ...  ... to have fun