CIVE 360: MECHANICS OF SOLIDS
FALL 2016

Instructor: K.L. Peterson

- Email: petersk2@rams.colostate.edu (E-mail is the best way to reach me)
- Office: A207B Engineering
- Office Hours: MW: 9:30-10:30am and 1:00-2:00pm, F: 9:30-10:30am. If these times don’t work for you, please email me for an appointment.

Course: CIVE 360

- When: MWF 12:00-12:50pm
- Where: BHSCI 131
- Prerequisite: CIVE 260 or MECH 262
- Description from course catalog: Stresses and deformations in structural members and machine elements, combined stresses, stress transformation.

Teaching Assistant: tbd


Mastering Engineering program code (REQUIRED): see Pearson “Get Started” handout

Grading:

- Homework: 15%
- Midterm Exams: 57%
  - 3 exams throughout the semester, 19% each
- Final Exam: 28%
  - 12 December, 4:10-6:10pm
  - This exam will be comprehensive.

Final grades will be assigned using the plus-minus system that begins with overall averages in the 90’s being A or A-, the 80’s being B+/B/B-, and so on.

Homework: Homework will be partly online and partly work by hand. Online homework will be automatically graded. For most assignments you’ll be allowed multiple attempts at each problem and there are hints along the way, so there is no reason not to do well.

Homework by hand with the following traits will almost always be given a perfect score:

- One side of engineering paper, stapled if necessary, always in pencil.
- Name, class, and assignment number written on top.
- Problem statement written out, a neat, clean effort at the solution, and draw a box around your answer to help the grader.
• It is always a good idea to sketch out your solution on scratch paper and then rewrite your final version.

**Topics:** stress, strain, constitutive law, one-dimensional bars, torsion, beams, stress transformations, and buckling. We will not be following exactly chapter by chapter from the book. The book is meant to be used as a supplemental learning tool and the extra online Mastering Engineering tools will be helpful, but your class notes are your most important resource for studying, completing homework, etc.

**Attendance:** Attendance isn’t mandatory, however you are responsible for all material covered in class. If you miss class, please consult a colleague to obtain missed handouts and lecture notes.

**Academic dishonesty of any kind (copying homework, cheating on an exam, etc.) will be dealt with immediately and severely up to the discretion of the instructor.**