

ASEN 5007 Introduction to Finite Element Methods - Fall 2013

Homework Assignment #8: Chapter 19 (very short HW)

Due **Tuesday Nov 5**, 2013 for on campus students, **Thursday Nov 7** for CAETE students)

Please attach this cover sheet to your returned homework and write your name(s) on it

Three exercises:

19.2, 19.3, 19.4

Grading weights posted at the start of the Exercises.

Note that the due date (normally on Thursdays) is moved to Tuesday 11/6 so Solutions of all HW assignments for Part II can be posted by Th, comfortably before the second midterm and the review lecture.

Exercises 19.3 and 19.4, and the 1D and 3D versions, respectively, make use of the rank-sufficiency rule discussed in §19.4.1 for 2D elements.

Second Midterm Exam Announcement

The second midterm exam, on Part II of the course, will be given Thursday November 14, 2013, to on-campus students. Remote CAETE students will receive the exam through their EO with instructions on the CAETE cover page. On campus CAETE students, who do not have an EO, may either take the exam on November 14 at class time, or make arrangements with instructor.

Review session on Tuesday Nov 12 at regular class time.

Exam covers: Chapters 11, 15–19. Skip Chapters 12 and 13. Chapter 14, which formulates the plane stress problem, can be also skipped since it is mostly continuum mechanics. Omit also any small-print sections (with title marked by asterisk).