

ASEN 5007 Introduction to Finite Element Methods - Fall 2009
Homework Assignment # 11 (Chapter 25 of Notes) - Last HW

Due Thursday Dec 10, 2009 (Dec 17 for CAETE students)

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

Exercises 25.3 and 25.4

Grading weights: give at the start of each exercise.

Exercises 25.3: explain the logic of the `ElementFreedomTable` module that is listed in Fig 25.10. Although the exercise is descriptive in nature, understanding might be helped if you put the module on a cell by itself and test it with some inputs. To find what the used built-in `Mathematica` functions do, such as `IntegerDigits`, look up the inline help.

Exercise 25.4: the `ExampleAssembler.nb` Notebook referred to in the Exercise can help in writing the assembler. This Notebook can be downloaded from the Chapter 25 Index.

Final Exam Information

Timetable details are given in the Homework #10 assignment.