The final exam for Math 13900 will take place at 7:00 pm on Monday, May 4, 2015 in MSEE B012.
You will have 2 hours for the exam.

The exam will have 18 questions. Ten multiple-choice questions will be worth 7 points each. Eight open-answer questions will be worth 10 points each. Partial credit will be given on the open-answer questions only. Five questions will be from lessons 31-35. The remaining questions are from the first 30 lessons.

Helpful hint: the answer "None of the above" is sometimes used, but not often.

No calculators will be allowed. It is good to arrive 15 minutes early. Of course, bring your photo ID as well as your <u>ruler, protractor, and compass</u>.

The following is a list of recommended problems from sections 25.1-26.2 of the Supplementary Learning Exercises at the end of each section in the text. These are the sections covered after exam 3.

Page	Section	Problem numbers
577	25.1	8bc, 9, 10b, 12abc
584	25.2	3bdghi, 6ace, 8bc
596	26.1	1bc, 2abe. 3ab, 6A
603	26.2	5

These formulas will be provided on the cover of the final exam:

$$\text{Volume}_{sphere} = \frac{4}{3}\pi r^3 \qquad \text{Surface Area}_{sphere} = 4\pi r^2$$

$$\text{Volume}_{cone} = \frac{1}{3}\pi r^2 h$$

$$\text{Volume}_{cylinder} = \pi r^2 h \qquad \text{Surface Area}_{cylinder} = 2\pi r^2 + 2\pi rh$$