

## NOTES FOR THE FIRST HOUR EXAM

The first hour exam will be held next week, 24 Feb, in this room. We will begin the exam around 4:20 and it will take 60 minutes. After a ten minute break, we will resume class for the rest of the evening.

The test will be closed note, closed book and while there will be calculations on the exam, they will only use very simple numbers so that calculators will not be necessary nor will they be allowed.

The exam will cover the material we have done in class and have had for reading since the beginning of the semester. As examples (but only examples, this list is not comprehensive, but designed to give you an idea of what I might ask):

- I could ask questions about the major points raised in the reading done so far in *RAGS* (executive summary, chapters 1 and 2).
- I could ask questions about the concept of density, including calculating the density or mass or volume of an object given the two of those three parameters.
- The exam is very likely to include calculations involving time, distance, speed and acceleration.
- The exam is very likely to involve graphing. This could include being given an equation to graph, being given data to graph, or drawing graphs to illustrate a situation (e.g., drawing curves of two objects showing which one is faster or which one is accelerating more)
- I could pose a question to you (like whether an object traveling twice as far down the ramp will take exactly twice the time to cover the distance), and ask you to design an experiment to investigate that question.