
NOTES FOR THE SECOND HOUR EXAM

The second hour exam will take place next week starting at the beginning of class. It will cover the material from the first hour exam. There will be calculations on this exam, so please bring calculators. More specifically, I am likely to ask :

- Questions that ask you to graph certain types of data, or questions in which I provide you with a graph and ask you to analyze the information in the graph. These graphs may be taken from the material we covered, or they might require you to show a more general understanding of graphs.
- Questions related to the optics experiments we did in class. These could ask you to use the lens equation ($1/o + 1/i = 1/f$), or to design experiments, or to describe and/or predict results of experiments. (e.g., if we place an object closer to the lens than the focal distance, where does the image occur?).
- Questions dealing with the material from RAGS. On this exam, though, I am much more likely to ask you to analyze RAGS rather than describe what is in it. I could ask you to tell me what you think the best recommendations are, or the worst. In all cases, I will be most interested in how you defend your positions, so it is necessary that you read through the chapters we have done in RAGS since the first hour exam (Chs 3 - 7).
- Questions focused on the construction and use of a quadrant; and/or questions focused on how the type of data you can take. I might ask you to draw solar altitude curves for different times of the year, different latitudes; might give you data and ask you to plot it and draw conclusions.
- Questions about the use of exponential functions and the rate of growth or decay; these could ask you to design experiments that would show the behavior of these functions, or questions that involve making calculations.