

## Chapter 1 Study Guide

After lecture:

1. Read Ch. 1 in textbook
2. Define the following terms:
  - a. Scientific method
  - b. Model
  - c. Law
  - d. Theory
  - e. Order of magnitude
  - f. Approximation
  - g. Length
  - h. Time
  - i. Mass
  - j. Units
  - k. Classical physics
  - l. Modern physics
  - m. Relativity
3. Review notes from lecture.
4. Redo the example problem from lecture.
5. Complete the “Check your Understanding” problems on pages 10, 16 and 17.
6. Work through example problem 1.1.
7. Answer conceptual questions 2, 4, 5, 6, 7, 9 and 10 on page 18 of the text.
8. Complete the worksheet for chapter 1 (available on Blazeview).
9. For extra practice, try the following problems from chapter 1 of the textbook: 1, 2, 3, 4, 6, 7, 8, 10