29:011 College Physics I   **Study Guide for Exam 1**
Friday, June 21, 2013   **9:00 – 9:50 AM in LR-1**

- Exam 1 will cover the sections listed below in Chapters 1, 2 and 3.

    o Chapter 1:   2, 3, 4, 5, 6, 7, 8
    o Chapter 2:   1, 2, 3, 4, 5, 6, 7
    o Chapter 3:   1, 2, 3

- The last section of each chapter is not listed above but contains a summary of concepts and useful examples.
- The exam will consist of 15 multiple-choice questions, some of a conceptual nature (i. e., not requiring a numerical answer) and some problems requiring a numerical answer. You may use calculations, but you are not permitted to store information in calculator memory. The exam is closed-book and no notes or other materials may be used.
- You will be given the following formulas and constants with the exam questions:

$$x = x_0 + v_0 t + (1/2)at^2 \qquad v = v_0 + at \qquad v^2 = v_0^2 + 2a(x - x_0)$$

$$g = 9.8 \ m/s^2 \qquad 1\text{ m} = 100\text{ cm} = 1000\text{ mm} \qquad 1\text{ in} = 2.54\text{ cm} \qquad 1\text{ mile} = 5280\text{ ft} = 1.61\text{ km}$$