

Chapter 2 Study Guide

Prior to lecture:

1. Read Ch. 2 in textbook
2. Define the following terms:
 - a. Kinematics
 - b. Origin of a coordinate system
 - c. Slope of a line
 - d. Vector
 - e. Scalar
 - f. Free-fall
 - g. Distance
 - h. Displacement
 - i. Position
 - j. Speed
 - k. Velocity
 - l. Acceleration
 - m. Deceleration
 - n. Acceleration due to gravity
3. Complete the “Check your Understanding” problems on pages 24, 25, 29 and 38.
4. Work through example problem 2.1, 2.2, 2.3 and 2.5 of the text.
5. Answer conceptual questions 1, 2, 4, 6, 7, 12, 13, 14 and 18 on pages 56-57 of the text.

After lecture:

1. Review notes from lecture
2. Redo all example problems from lecture
3. Reread text
4. Answer conceptual questions 3, 5, 10, 15, 16 and 19 on pages 56-57 of the text.
5. Work through example problem 2.8, 2.9, 2.13 and 2.15 in the text.
6. Complete the “Check your Understanding” problems on pages 47 and 54.
7. Complete the worksheet for chapter 2 (available on Blazeview).
8. For extra practice, try the following problems from chapter 2 of the textbook: 2, 4, 7, 14, 16, 19, 20, 22, 32, 37.