

Lecture 1

Pre-Lecture Preparation:

- Familiarize yourself with my website: www.foothill.edu/~cascarano
 - 1) Pay particular attention to the “Lesson Links” for additional help on specific topics
 - 2) Read the course syllabus
- Read chapter 1 (pages 5 – 26) in the textbook (OpenStax) and be able to do the following:
 - 1) Book Problems (p. 29): 1
- Read pages 31 – 41 and be able to answer the following:
 - 1) What is the difference between a vector and a scalar?
 - 2) What is the difference between distance and displacement?
 - 3) What is the difference between average speed and average velocity?
 - 4) Book Conceptual Questions (p. 79): 1, 5, 10, and 13

Goals for the Lecture:

- 1) Introduce myself and the course
- 2) Discuss good study habits
- 3) Be able to do unit conversions
- 4) Gain a basic understanding of position, velocity, and acceleration

Post-Lecture Study Guide:

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas.

Do problems:

Ch 2: 3 and 14

Continue with the additional recommended study problems from chapters 1 and 2