

Lecture 13

Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 177-187
- Quick Quizzes: 7.1 – 7.4
- Ch 7 Conceptual Questions: 1, 2, and 5

Goals for the Lecture:

- 1) Be able to calculate work done by constant and variable forces
- 2) Be able to calculate the scalar product (dot product) of two vectors
- 3) Understand how defining your system can affect the work done on the system or by the system

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 7: Objective Questions: 2 and 3

Ch 7: Problems: 5, 15, and 17

Continue with the additional recommended study problems from chapter 7