

## Lecture 11

### Pre-Lecture Preparation:

- Read pages 240 – 251
- Do the Conceptual Questions (p. 276): 2 and 3
- Do Problems and Exercises (p. 279) 2 and 6

### Goals for the Lecture:

- 1) Be able to calculate work done by constant 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: Conceptual Questions: 1

Ch 7: Problems and Exercises: 3 and 8

Continue with the additional recommended study problems from chapter 7