

## Lecture 16

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

- Read page 232 (power) and pages 247-256
- Quick Quizzes: 9.1 – 9.4
- Ch 9 Conceptual Questions: 5 and 6

### Goals for the Lecture:

- 1) Understand why Power is useful in comparing motors
- 2) Understand what Momentum is and why it is special (how is it similar to and different from kinetic energy?)
- 3) Understand what Impulse is (how is it similar to and different from work?)
- 4) Be able to use the Impulse – Momentum Theorem to solve problems

### 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 9: Objective Questions: 1 and 6

Ch 9: Problems: 11 and 13

Continue with the additional recommended study problems from chapter 9