

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Department of Physics

Physics 8.01X

Fall Term 2002

## SYLLABUS WEEK 9

Text: H. D. Young and R. A. Freedman, *University Physics*, 10th Edition, Addison-Wesley, Reading Mass (2000).

**Monday Oct 28 Lecture 20:** Energy transformations, heat  
Readings: YF Chapter 15.1-15.8, pp. 460-485.

**Wednesday Oct 30 Lecture 21:** Restoring forces and harmonic motion, pendulum  
Readings: YF Chapter 13.1-13.6, pp. 392-409.

**Friday Nov 1 Lecture 22** Linear momentum, impulse, Newton's 2nd Law  
Readings: YF Chapter 8.1-8.3, pp. 227-237.  
Hand out Problem Set 9, due Nov 8

**Due Dates:**

Oct 30, 10 pm: CyberTutor Assignment 8

Nov 1, 4 pm, 4-339B: Problem Set 8, Experiment ET problem

Experiment ET checkoff this week.