

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Physics

Physics 8.01X

Fall Term 2001

SYLLABUS WEEK 9

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

Monday Oct 29 Lecture 20: Energy transformations, heat
Readings: YF Chapter 15.1-15.8, pp. 460-485.

Wednesday Oct 31 Lecture 21: Restoring forces and harmonic motion, pendulum
Readings: YF Chapter 13.1-13.6, pp. 392-409.

Friday Nov 2 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 9

Due Dates:

Oct 28, 10 pm: CyberTutor Assignment 13

Oct 30, 10 pm: CyberTutor Assignment 14

Nov 2, 5 pm, 4-339B: Problem Set 8, Experiment ET