

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Department of Physics

Physics 8.01X

Fall Term 2001

## SYLLABUS WEEK 8

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

**Monday Oct 22 Lecture 18:** Conservation of mechanical energy

Readings: YF Chapter 7.3-7.6, pp. 204-218.

Hand out Experiment ET, due Nov 2

**Wednesday Oct 24: QUIZ 2 In Class**

Covers: Newton's Laws, friction, springs, circular motion, torque and static equilibrium

**Friday Oct 26 Lecture 19:** Energy, universal gravitation and orbits

Hand out Problem Set 8, due Nov 2

**Due Dates:**

Oct 21, 10 pm: CyberTutor Assignment 12

Oct 23, 10 pm: CyberTutor review assignment (for practice only)

Oct 26, 5 pm, 4-339B: Problem Set 7