

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Department of Physics

Physics 8.01X

Fall Term 2001

## SYLLABUS WEEK 7

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

**Monday Oct 15 Lecture 15:** Statics and torque

**Wednesday Oct 17 Lecture 16:** Work and kinetic energy

Readings: YF Chapter 6.1-6.4, pp. 164-181.

**Friday Oct 19 Lecture 17:** Conservation laws, potential energy

Readings: YF Chapter 7.1-7.2, pp. 194-203.

Hand out Problem Set 7, due Oct 26

**Due Dates:**

Oct 14, 10 pm: CyberTutor Assignment 10

Oct 16, 10 pm: CyberTutor Assignment 11

Oct 19, 5 pm, 4-339B: Problem Set 6, Experiment CF

**Check-off for Experiment CF required during lab hours this week**