

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Department of Physics

Physics 8.01X

Fall Term 2001

## SYLLABUS WEEK 5

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

**Monday Oct 1 QUIZ 1:** Fundamental concepts, Fermi problems, 1D kinematics, Experiment Flow, Experiment FO, projectile motion, Newton's Laws

**Wednesday Oct 3 Lecture 11:** Newton's Laws, spring forces, tension  
Hand out Experiment CF, due Oct 19

**Friday Oct 5 Lecture 12:** Uniform circular motion  
Hand out Problem Set 5, due Oct 12  
Readings: YF Chapter 5.5, pp. 139-144.

**Due Dates:**

Sept 30, 10 pm: CyberTutor review assignment (for practice only)

Oct 2, 10 pm: CyberTutor Assignment 7

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