

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Department of Physics

Physics 8.01X

Fall Term 2001

## SYLLABUS WEEK 3

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

**Monday Sept 16 Lecture 6:** More on acceleration, intro to Newton's laws, force, mass and acceleration

Readings: YF Chapter 1.8-1.10, pp. 10-18, Chapter 3.1-3.3 pp. 61-68, Chapter 4.1-4.6, pp. 91-110.

**Wednesday Sept 18 Lecture 7:** Newton's Laws of motion, force, mass and acceleration

Hand out Experiment FO, due Sept 27

Readings: YF Chapter 4.1-4.8, pp. 92-114.

**Friday Sept 20 Lecture 8:** Newton's Laws, gravitation and weight, projectiles

Readings: YF Chapter 3.4, pp. 68-75.

Hand out Problem Set 3, due Sept 27

**Due Dates:**

Sept 17, 10 pm: CyberTutor Assignment 2

Sept 20, 4 pm, 4-339B: Problem Set 2, LVPS problem

Project LVPS check-off required this week.