

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Physics

Physics 8.01X

Fall Term 2002

SYLLABUS WEEK 10

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

Monday Nov 4 Lecture 23: Momentum, center of mass
Readings: YF Chapter 8.6, pp. 246-249.

Wednesday Nov 6 Lecture 24: Momentum, collisions
Readings: YF Chapter 8.4-8.5, pp. 238-246.
Hand out Experiment VS problem, due Nov 15

Friday Nov 8 Lecture 25: Collisions, kinetic theory
Readings: YF Chapter 16.1-16.4
Hand out Problem Set 10, due Nov 15

Due Dates:

Nov 6, 10 pm: CyberTutor Assignment 9

Nov 8, 4 pm, 4-339B: Problem Set 9