

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Physics

Physics 8.01X

Fall Term 2002

SYLLABUS WEEK 8

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

Monday Oct 21 Lecture 18: Conservation of mechanical energy

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

Hand out Experiment ET, due Nov 1

Optional review session, 7-9 pm in 4-370 covers quiz 2 material

Wednesday Oct 23 QUIZ 2 In Class

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

Friday Oct 25 Lecture 19: Energy, universal gravitation and orbits

Hand out Problem Set 8, due Nov 1

Due Dates:

Oct 22, 10 pm: CyberTutor Assignment 7

Oct 25, 4 pm, 4-339B: Problem Set 7