

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Physics

Physics 8.01X

Fall Term 2002

SYLLABUS WEEK 12

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

Saturday Nov 16 Optional Review Session: Covers quiz 3 material

Monday Nov 18 QUIZ 3 In Class

Covers: Experiments ET and VS, estimation, work, kinetic and potential energy, conservation laws, simple harmonic motion, momentum, center of mass, collisions.

Wednesday Nov 20 Lecture 28: Rotational dynamics

Readings: YF Chapter 10.4-10.7, pp. 301-314

Friday Nov 22 Lecture 29: Angular dynamics, translation and rotation

Due Dates:

Nov 20, 10 pm: CyberTutor Assignment 11 (review only)

Nov 22, 4 pm, 4-339B: Problem Set 11, Experiment AM problem

Experiment AM check-off this week