

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Physics

Physics 8.01X

Fall Term 2001

SYLLABUS WEEK 14

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

Monday Dec 3 Lecture 32: Conservation of flow, buoyancy

Readings: YF Chapter 14.4, pp. 432-434, Chapter 14.6-14.7 pp. 438-443

Wednesday Dec 5 Lecture 33: Viscosity

Readings: YF Chapter 14.9, pp. 446-448

Friday Dec 7 Lecture 34: Properties of materials: atomic hypothesis

Due Dates:

Dec 2, 10 pm: CyberTutor Assignment 22

Dec 4, 10 pm: CyberTutor Assignment 23

Dec 7, 5 pm, 4-339B: Problem Set 12