

Syllabus for Physics 170, Fall 2006
Prof. E.J. Mele

Textbook - **Introduction to Mechanics**, Kleppner and Kolenkow.

Week	Topics	Reading (K&K)	Examinations
Sep. 6-8	Course Organization;	Vectors and Elementary	
	Kinematics	Ch. 1	
Sep. 11-15	Solutions to Equations of Motion		Ch. 1
Sep. 18-22	Newton's Laws		Ch. 2
Sep. 25-29	More on Newton's Laws		Ch. 2, 3
Oct. 2-6	Impulse and Momentum		Ch. 3
Oct. 9-13	Conservation of Momentum		
Drop Period Ends 10/13	Ch. 3		Wednesday October 11
Oct 16-20	Work Energy Theorem		
	Ch. 4		
Oct. 25-27	Conservation of Energy		Ch. 4
Oct. 30-Nov. 3	Collisions		Ch. 4
Nov. 6-10	Fixed Axis Rotations, Torque		Ch. 6
Nov. 13-17	Rigid Body Motion		Ch. 6
November 15			Wednesday
Nov. 20-22	Angular Momentum		
Thanksgiving Break		Ch. 7	
Nov. 29-Dec. 1	Noninertial Coordinate Systems		Ch. 8
Dec. 4-7	Kepler Problem		Ch. 9
Dec. 19	Final Examination		