

Tentative Schedule

<u>Week of</u>	<u>Topic</u>	<u>Section</u>
Jan. 10	Coordinate Systems	1.1 – 1.12
Jan. 15	Newtonian Mechanics	2.1 – 2.3
Jan. 22	Motion in a Resistive Media	2.4 – 2.5
Jan. 29	Oscillations and the Harmonic Oscillator	3.1 – 3.2
Feb. 05	Harmonic Oscillator & Damped Harmonic Oscillator	3.3 – 3.4
Feb. 12	Damped/Forced Harmonic Oscillator	3.5 – 3.9
Exam #1 (Friday, February 16)		
Feb. 19	Motion of a Particle in 3-Dimensions	4.1 – 4.3
Feb. 26	Harmonic Oscillators in 2- and 3-Dimensions	4.4 – 4.6
Mar. 05	SPRING BREAK – NO CLASSES	
Mar. 12	SPRING BREAK – NO CLASSES	
Mar. 19	Accelerated (non-inertial) Coordinate Systems	5.1
Mar. 26	Rotating Coordinate Systems	5.2 – 5.4, 5.6
Apr. 02	Gravitation and Central Forces & Kepler's Laws	6.1 – 6.2
Apr. 09	Kepler's Laws and Orbital Motion	6.4 – 6.12
Exam #2 (Friday, April 13)		
Apr. 16	Dynamics of Systems of Particles	7.1 – 7.6
Apr. 23	Motion of a Variable Mass	7.7
Apr. 30	Mechanics of Rigid Bodies	8.1 – 8.7
May 07	An Introduction to Lagrangian Mechanics	10
Final Exam: 3:30p – 5:30p (Friday, May 11)		