

## Physics 160 – College Physics I

## Tentative Course Schedule

Kinematics			
August	23	Scientific method and representing motion	Read Chapter 1
	30	Motion in a line with acceleration	Read Chapter 2
September	6	<b>Labor Day – No Class</b>	
	8	Vectors and 2D/3D motion	Read Chapter 3
	15	F=ma <b>Force and Motion – Big Idea</b>	Read Chapter 4
	17	<b>Exam 1</b>	
	24	Applying F=ma, Friction – “..what a drag!”	Read Chapter 5
	28	Application Activity [ROCKET LAUNCH!]	
Frames of Reference			
October	1	Circular Motion, Orbits and Gravity <b>Gravitational Field – Big Idea</b>	Read Chapter 6
	8	Rotational Motion <b>Transformations (Spatial/Temporal) – Big Idea</b>	Read Chapter 7
	11	<b>Fall Breather – No Class</b>	
	12	<b>Fall Breather – No Class</b>	
	15	<b>Exam 2</b>	
	20	Torque, Equilibrium and Elasticity	Read Chapter 8
Conserved Quantities			
	27	Momentum <b>Conservation Laws – Big Idea</b>	Read Chapter 9
November	3	Energy and Work	Read Chapter 10
	10	Applying conservation laws	Read Chapter 11
	12	<b>Exam 3</b>	
Properties of Matter			
	19	Thermal properties of matter <b>Atomic Model – Big Idea</b>	Read Chapter 12
	24	<b>Start of Thanksgiving– No Class (till Mon Nov.,30)</b>	
December	1	Fluids – Poiseuille’s Equation	Read Chapter 13
(Wed.)	8	<b>Study Day</b>	Optional Course Review
(Mon.)	13	<b>Final Exam – 12:00 pm</b>	Comprehensive Exam