Class Schedule for Dr. Russell's PHYS-114 Winter 2008

Week	Day	Reading	Topic	MP Due	Laboratory
1	M		Introduction to Physics of Motion		115A Measurement, and Graphing
	W	1.1-3	The Particle Model and Position and Time		
	Th	1.4-5	Velocity and Acceleration		
	F	1.6-7	Motion Diagram Examples	Chapter 1a	
2	M		No Class (Martin Luther King Holiday)		
	W	2.1-3	Motion in One Dimension	Chapter 1b	115C Free Fall
	Th	2.3-5	Position, Velocity, and Acceleration Graphs		
	F	2.6-7	Motion with Constant Aceleration		
3	M	2.7-8	Problem Solving Strategy for Motion in 1-D	Chapter 2a	115B Vector Addition
	W	3.1-4	Vectors and Components		
	Th	4.1-3	Forces and What They Do	Chapter 2b	
	F	4.4-7	Newton's Laws and Motion	Chapter 3	
4	M		Test #1 (Chapters 1,2,3,4)	Chapter 4	115F Newton's Second Law
	W	5.1-2	Newton's Second Law and Free Body Diagrams		
	Th	5.3-4	Mass and Weight, and Friction		
	F	5.5-6	Drag Forces and Example Problems	Chapter 5a	
5	M	6.1-2	Kinematics and Dynamics in Two Dimensions		115D Projectile Motion
	W	6.3	Projectile Motion	Chapter 5b	
	Th	6.3	Problem Solving for Motion in 2-D (practice)		
	F	7.1-2	Uniform Circular Motion	Chapter 6a	
6	M	7.3-4	Dynamics of Uniform Circular Motion	Chapter 6b	115 E Atwood's Machine
	W	8.1-3	Newton's Third Law		
	Th	8.4-5	Examples using Newton's Third Law	Chapter 7	
	F		Prep for second test		
7	M		Test #2 (Chapters 5,6,7,8)	Chapter 8	115H Collisions (Momentum)
	W	9.1-2	Momentum and Impulse		
	Th	9.3-4	Conservation of Momentum		
	F	9.5-6	Inelastic Collisions and Momentum in 2D	Chapter 9a	
8	M	10.1-3	Kinetic Energy and Potential Energy	Chapter 9b	115G Conservation of Energy (Pendulum)
	W	10.4-5	Elastic Potential Energy		
	Th	10.6-7	Elastic Collisions and Energy Diagrams	Chapter 10a	
	F		No Class (Spring Holiday)		
9	M	11.1-3	Work and Kinetic Energy		Lab Exam
	W	11.4-6	Work, Variable Forces and Potential Energy	Chapter 10b	
	Th	11.7-9	Conservation of Energy and Power		
	F		Prep for test	Chapter 11a	
10	M		Test #3 (Chapters 9.10,11)	Chapter 11b	115J Torques and Equilibrium
	W	13.1	Rotational Kinematics		
	Th	13.3-5	Torque and Rotational Dynamics		
	F	13.7-8	Rotational Energy and Rolling Motion	Chapter 13a	
11	M	13.10	Angular Momentum		
	T		Practice with Rotation Problems	Chapter 13b	
	Th-F-S		Common, Comprehensive Final Exam		