

Physics 140				
Date (2015)	WP Unit #	Topics	SmartPhysics Unit	Notes
Wed, Jan 7	1	Data collection and spreadsheets		
Fri, Jan 9	1	Measuring and graphing horizontal motion, FCI		
Mon, Jan 12	2	Direct and indirect measurements		
Wed, Jan 14	2	Normal distributions		
Fri, Jan 16	3	Graphing changing motion		sessions 1 & 2 in one day
Mon, Jan 19	3	Slowing, speeding, turning		
Wed, Jan 21	4	Defining velocity and acceleration	1-D Kin	
Fri, Jan 23	4	Integration & Kinematic equations		
Mon, Jan 26	6	Vertical motion	2-D & Vectors	skip force&weight
Wed, Jan 28	6	Vectors		
Fri, Jan 30	6	Analysing projectile motion		
Mon, Feb 2	5	Force and Motion	Newton's Laws	
Wed, Feb 4	5	Force, Mass and Acceleration		
Fri, Feb 6	Midterm 1	Rm		
Mon, Feb 9				
Wed, Feb 11				
Fri, Feb 13				
Mon, Feb 16	7	Circular motion	Relative and Circular motion	
Wed, Feb 18	7	Newton's 3rd law	Forces and FBD	
Fri, Feb 20	7	Friction	Friction	
Mon, Feb 23	10	Physical work and power		
Wed, Feb 25	10	work and kinetic energy	Work & Energy	
Fri, Feb 27	11	Energy conservation	Cons. Forces	
Mon, Mar 2	11	Conservative and non-conservative forces	Work and Potential Energy	
Wed, Mar 4	8	Momentum		
Fri, Mar 6	Midterm 2	Rm		
Mon, Mar 9	Lecture	Special Relativity / Midterm review		
Wed, Mar 11	8	Impulse	CM	
Fri, Mar 13	8	Newton's laws and momentum conservation	Cons of momentum	
Mon, Mar 16	9	Centre of mass and momentum conservation	Elastic Collisions	
Wed, Mar 18	9	Momentum Conservation in 2-D	Collisions, Impuls skip karate	
Fri, Mar 20	12	Rotational kinematics	Rotational Kinematics	
Mon, Mar 23	12	Torque and rotational inertia	Parallel Axis Thm	
Wed, Mar 25	12	Newton's Laws for rotation	Rot. Dynamics	
Fri, Mar 27	13	Angular momentum and torque as	Angular Momentum	
Mon, Mar 30	13	Angular momentum conservation	Angular Momentum, Vectors&precession	
Wed, Apr 1	14	Harmonic motion	SHM	
Fri, Apr 3				
Mon, Apr 6				
Wed, Apr 8	14	SHM for mass and spring	Pendulum	
Fri, Apr 10	14	Simple Pendulum	Waves	
Mon, Apr 13		Review for Final Exam, FCI		
Sat, Apr 25, 15	Final Exam	15:30 to 18:30	Room TBA	

"I love deadlines — I love the sound they make as they whoosh by."
Douglas Adams