Physics 140 Spring 2011

Date	WP Unit #	Topics	*Understanding Physics* Chapter
Fri, Jan 7, 11	1	Data collection and spreadsheets	
Mon, Jan 10, 11	1	Measuring and graphing horizontal motion, FCI	
Wed, Jan 12, 11	2	Direct and indirect measurements	1
Fri, Jan 14, 11	2	Normal distributions	
Mon, Jan 17, 11	3	Graphing changing motion	2
Wed, Jan 19, 11	3	Slowing, speeding, turning	
Fri, Jan 21, 11	4	Defining velocity and acceleration	
Mon, Jan 24, 11	4	Integration & Kinematic equations	
Wed, Jan 26, 11	5	Force and Motion	3
Fri, Jan 28, 11	5	Force, mass and acceleration	
Mon, Jan 31, 11	6	Vertical motion	
Wed, Feb 2, 11	6	Vectors	4
Fri, Feb 4, 11	6	Analysing projectile motion	5
Mon, Feb 7, 11	7	Circular motion	6
Wed, Feb 9, 11	7	Newton's 3rd law	Sec 3.10
Fri, Feb 11, 11	Midterm 1		
Mon, Feb 14, 11	break		
Wed, Feb 16, 11	break		
Fri, Feb 18, 11	break		
Mon, Feb 21, 11	7	Friction	
Wed, Feb 23, 11	8	Momentum	7
Fri, Feb 25, 11	8	Impulse	
Mon, Feb 28, 11	8	Newton's laws and momentum conservation	
Wed, Mar 2, 11	9	Centre of mass and momentum conservation	8
Fri, Mar 4, 11	9	Momentum Conservation in 2-D	
Mon, Mar 7, 11	10	Physical work and power	9
Wed, Mar 9, 11	10	work and kinetic energy	
Fri, Mar 11, 11	11	Energy conservation	10
Mon, Mar 14, 11	11	Conservative and non-conservative forces	
Wed, Mar 16, 11	Lecture	Special Relativity and review	
Fri, Mar 18, 11	Midterm 2		
Mon, Mar 21, 11	12	Rotational kinematics	11
Wed, Mar 23, 11	12	Torque and rotational inertia	
Fri, Mar 25, 11	12	Newton's Laws for rotation	
Mon, Mar 28, 11	13	Angular momentum and torque as vectors	12

Wed, Mar 30, 11	13	Angular momentum conservation	14
Fri, Apr 1, 11	14	Harmonic motion	16
Mon, Apr 4, 11	14	SHM for mass and spring	
Wed, Apr 6, 11	14	Simple Pendulum	
Fri, Apr 8, 11	15	Waves	
Mon, Apr 11, 11		Review for Final Exam, FCI	
Wed, Apr 13, 11	No Class		

Fri, Apr 15, 11	Final Exam	12:00 – 15:00	Room: TBA