

Tentative Schedule: R.1 for Physics 210, 240 and 241 Fall 2012

labs	Worksheet Number	Date	210: Cutnell: 8 <sup>th</sup> ed.	240: Serway 4 <sup>th</sup> ed
			Assignment Reading: Homework	Assignment: Reading: homework
	pt	W: August 22, 2012	Chapter 01: Units, vectors, math and trig	Chapter 01 Introduction and Vectors
TBA	Worksheet 01 units trig	F :August 24, 2012	Chapter 01:H01	Chapter 01:H01
	Worksheet 02 1d motion	M: August 27, 2012	Chapter 02:H02: 1d motion	Chapter 02:H02 1d motion
	Worksheet 03 freefall	W: August 29, 2012	Chapter 02:H03	Chapter 02:H03
Lab 01: Forces & Force Tables	Worksheet 04 2d motion1	F: August 31, 2012	Chapter 03:H04: 2d motion	Chapter 03:H04: 2d motion
	Worksheet 05 2d motion2	M: September 03, 2012	Chapter 03:H05	Chapter 03:H05
	Worksheet 05 2d motion2	W: September 05, 2012	Chapter 03:H05	Chapter 03:H05
Lab 02: Motion in 1 and 2 dimensions	Worksheet 06 force1, fbd	F: September 07, 2012	Chapter 04:H06: Forces, fbd	Chapter 04:H06 Forces, fbd
	Worksheet 07 force 2, fbd	M: September 10, 2012	Chapter 04:H07	Chapter 04:H07
	<b>UnTest#1</b>	<b>W: September 12, 2012</b>	<b>Chapter 04</b>	
Lab 03: Inclined Planes & Friction	<b>Test 1: Coverage: ws01-ws07</b>	<b>F: September 14, 2012</b>		
	Worksheet 08 inclined plane	M: September 17, 2012	Chapter 06:H08: work and energy	Chapter 06:H08 Energy and Energy Transfer
	Worksheet 09 inclined 2	W: September 19, 2012	Chapter 06: H09	Chapter 07:H09 Potential Energy
Lab 04: Atwood's Machine, Mechanical Advantage, Work and Energy	Worksheet 10 energy 2	F: September 21, 2012	Chapter 07:H10: impulse, momentum	Chapter 08:H10 Momentum and Collisions
	Worksheet 11 spring energy1	M: September 24, 2012	Chapter 07: H11	Chapter 08:H11
	Worksheet 12 collisions1	W: September 26, 2012	Chapter 05:H12: Uniform Circular Motion	Chapter 10:H12 Rotational Motion
TBA	Worksheet 13 collisions2	F: September 28, 2012	Chapter 08:H13: Rotational kinematics	Chapter 10:H13
	Worksheet 14 ucm 1	M: October 01, 2012	Chapter 08: H14	Chapter 10:H14
	Worksheet 15 acc frames	W: October 03, 2012	Chapter 09:H15: Rotational dynamics	Chapter 10:H15
Lab 05: Centripetal Force & Hooke's Law	Worksheet 16 non ucm	F: October 05, 2012	Chapter 09: H16	Chapter 10:H16
	<b>UnTest#2</b>	<b>M: October 08, 2012</b>		
	<b>Test 2: Coverage: ws08-ws16</b>	<b>W: October 10, 2012</b>		
	<b>Fall Break</b>	<b>October 11-14</b>		
	Worksheet 17 rotate2 energy	M: October 15, 2012	Chapter 09: H17	Chapter 10:H17
	Worksheet 18 torque,L	W: October 17, 2012	Chapter 09: H18	Chapter 10:H18
Lab 06: Static Equilibrium	Worksheet 19 statics	F: October 19, 2012	Chapter 10: H19 Simple Harmonic Oscillation	Chapter 12:H19 Oscillatory Motion
	Worksheet 20 osc1:spring	M: October 22. 2012	Chapter 10: H20	Chapter 12:H20
	Worksheet 21 osc2:pendulum	W: October 24, 2012	Chapter 10: H21	Chapter 12:H21
Lab 07: Simple Harmonic Oscillation	Worksheet 22 string waves 1	F: October 26, 2012	Chapter 16:H22 waves and sound	Chapter 13:H22 Mechanical Waves
	Worksheet 23:string waves2	M: October 29, 2012	Chapter 16:H23	Chapter 13:H23
	Worksheet 24 sound waves	W: October 31, 2012	Chapter 17:H24: wave superposition	Chapter 14:H24 Superposition and Standing Waves
Lab 08: Standing Waves and Vibrations	Worksheet 25 beats, doppler	F: November 02, 2012	Chapter 17: H25	Chapter 14:H25
	Worksheet 26 archimedes (not on test 3)	M: November 05, 2012	Chapter 17:H26	Chapter 15: H26:Fluid Mechanics Sections 15.1 – 15.4
	<b>Untest#3:</b>	<b>W: November 07, 2012</b>		
Lab09: Archimedes' Principle & Pressure	<b>Test 3: Coverage: ws17-ws25</b>	<b>F: November 09, 2012</b>	Chapter 12: Temperature and Heat	Chapter 16: Temperature and the kinetic theory of gasses
	Worksheet 27 thermo1	M: November 12, 2012	Chapter 13:H27: transfer of heat	Chapter 16:H27
	Worksheet 28 thermo2	W: November 14, 2012	Chapter 14:H28: IDG and kinetic theory	Chapter 17: H28:Energy in Thermal Processes: 1 <sup>st</sup> law of thermos
Lab 10: Thermodynamics	Worksheet 29 thermo3	F: November 16, 2012	Chapter 15::H29: thermodynamics	Chapter 18: H29: Heat Engines, Entropy, and the 2 <sup>nd</sup> law of thermo
	Worksheet 30 thermo4	M: November 19, 2012	Chapter 15: H30	Chapter 18:H30
	<b>Thanksgiving</b>	<b>November 21-25</b>		
	Worksheet 31 fluids1	M: November 26, 2012	Chapter 11: H31: Fluids	Chapter 16: H31:Fluid Mechanics Sections 15.5-15.9
	<b>Untest #4</b>	<b>W: November 28, 2012</b>		
TBA	<b>Test 4: coverage ws26 – ws31</b>	<b>F: November 30, 2012</b>		
		M: December 03, 2012		
		W: December 05, 2012		
TBA	Course Review	F: December 07, 2012		
	<b>Final Exams</b>	<b>December 12-16, 2012</b>		