

Schedule for Phy210, Phy240, and Phy241: Fall 2017: Revision 01

| labs | Worksheet Number | Date | 210: Cutnell: 8th ed. Assignment Reading : Homework | 240: Serway 4th ed Assignment: Reading: homework |
|---|------------------------------------|----------------------------------|---|---|
| | Class Initialization | W August 23 | | |
| RF Lab 00: intro lab | Worksheet 01 units trig | F :August 25 | Chapter 01: Units, vectors, math and trig Chapter 01:H01 | Chapter 01 Introduction and Vectors Chapter 01:H01 |
| | Worksheet 02 1d motion | M August 28 | Chapter 02:H02: 1d motion | Chapter 02:H02 1d motion |
| | Worksheet 03 free fall | W August 30 | Chapter 02:H03 | Chapter 02:H03 |
| RF Lab 01: Forces & Vectors | Worksheet 04 2d motion1 | F September 01 UQ01 | Chapter 03:H04: 2d motion | Chapter 03:H04: 2d motion |
| | Worksheet 05 2d motion2 | M September 04 | Chapter 03:H05 | Chapter 03:H05 |
| | Worksheet 05 2d motion2 | W September 06 | Chapter 03:H05 | Chapter 03:H05 |
| RF Lab 02: 1 and 2 D motion | Worksheet 06 force1, fbd | F September 08 UQ02 | Chapter 04:H06: Forces, fbd | Chapter 04:H06 Forces, fbd |
| | Worksheet 07 force 2, fbd | M September 11 | Chapter 04:H07 | Chapter 04:H07 |
| | UnTest#1 | W September 13 | Chapter 04 | |
| RF Lab 03: Planes & Friction | Test 1: coverage: ws01-ws07 | F September 15 | | |
| | Worksheet 08 inclined plane | M September 18 | Chapter 06:H08: work and energy | Chapter 06:H08 Energy and Energy Transfer |
| | Worksheet 09 inclined 2 | W September 20 | Chapter 06: H09 | Chapter 07:H09 Potential Energy |
| RF Lab 04: Atwood's, mechanical advantage, work & Energy | Worksheet 10 energy 2 | F September 22 UQ03 | Chapter 07:H10: impulse, momentum | Chapter 08:H10 Momentum and Collisions |
| | Worksheet 11 spring energy | M September 25 | Chapter 07: H11 | Chapter 08:H11 |
| | Worksheet 12 collisions1 | W September 27 | Chapter 05:H12: Uniform Circular Motion | Chapter 10:H12 Rotational Motion |
| RF Lab 05: Centripetal Force & Hooke's Law | Worksheet 13 collisions2 | F September 29 UQ04 | Chapter 08:H13: Rotational kinematics | Chapter 10:H13 |
| | Worksheet 14 ucm 1 | M October 02 | Chapter 08: H14 | Chapter 10:H14 |
| | Worksheet 15 acc frames | W October 04 | Chapter 09:H15: Rotational dynamics | Chapter 10:H15 |
| RF Lab 06: Static Equilibrium | Worksheet 16 non ucm | F October 06 UQ05 | Chapter 09: H16 | Chapter 10:H16 |
| | UnTest#2 | M October 09 | | |
| | Test 2 | W October 11 | | |
| | Fall Break | October 12 - October 13 | | |
| | Worksheet 17: Rotate2 energy | M October 16 | Chapter 09: H17 | Chapter 10:H17 |
| | Worksheet 18 Torque, L | W October 18 | Chapter 09: H18 | Chapter 10:H18 |
| RF Lab 07: Simple Harmonic Oscillation | Worksheet 19 statics | F October 20 UQ06 | Chapter 10: H19 Simple Harmonic Oscillation | Chapter 12:H19 Oscillatory Motion |
| | Worksheet 20 osc1:spring | M October 23 | Chapter 10: H20 | Chapter 12:H20 |
| | Worksheet 21 osc2:pendulum | W October 25 | Chapter 10: H21 | Chapter 12:H21 |
| RF Lab 08: Standing Waves and Vibrations | Worksheet 22 string waves1 | F October 27 UQ07 | Chapter 16:H22 waves and sound | Chapter 13:H22 Mechanical Waves |
| | Worksheet 23:string waves2 | M October 30 | Chapter 16:H23 | Chapter 13:H23 |
| | Worksheet 24 sound waves | W November 01 | Chapter 17:H24: wave superposition | Chapter 14:H24 :Superposition and Standing Waves |
| RF Lab09: Archimedes' Principle & Pressure | Worksheet 25 beats, Doppler | F November 03 UQ08 | Chapter 17: H25 | Chapter 14:H25 |
| | Worksheet 26 Archimedes | M November 06 | Chapter 17:H26 | Chapter 15: H26:Fluid Mechanics :Sections 15.1 - 15.4 |
| | Worksheet 31 fluids1 | W November 08 | Chapter 11: H31: Fluids | Chapter 16: H31:Fluid Mechanics: Sections 15.5-15.9 |
| RF Lab TBA | Untest#3: | F November 10 | | |
| | Test 3 | M November 13 | Chapter 12: Temperature and Heat | Chapter 16: Temperature and the kinetic theory of gasses |
| | Worksheet 27 therm 01 | W November 15 | Chapter 13:H27: transfer of heat | Chapter 16:H27 |
| RF Lab 10: Thermodynamics | Worksheet 28 therm 02: | F November 17 UQ09 | Chapter 14:H28: 1DG and kinetic theory | Chapter 17: H28:Energy in Thermal Processes: 1 st law of thermo |
| | Worksheet 29 therm 03 | M November 20 | Chapter 15::H29: thermodynamics | Chapter 18: H29: Heat Engines, Entropy, and the 2 nd law of thermo |
| | Thanksgiving | November 22 - November 26 | | |
| | Worksheet 30 therm 04 | M November 27 | Chapter 15: H30 | Chapter 18:H30 |
| | Worksheet 30 (continued) | W November 29 | | |
| RF No Lab | Untest #4 | F December 01 | | |
| | Test 4 | M December 04 | | |
| | Undone Topics Day | W December 06 | | |
| RF No Lab | Course Review / last day | F December 08 | | |
| | Final Exams | December 11-15 | | |