

Advanced Physics Semester II Waves and Fields First Quarter

Jan 14/15 A/B Course <b>Sylabus, Calendar</b> , SHM Demos Ch. 13 Problems 1-3 from web site. <b>Derive Spring k lab, Read</b> pp 327-349		Jan 16 I	Jan 17/18 C/D <b>Present Probs</b> 4-6 on board. Finish Spring Lab (Students devise method for finding T)	
Jan 21 MLK	Jan 22/23 A/B <b>Present Probs</b> 7-10 on board. <b>Spring Energy (Monkey Gun)</b> <b>Due Next period</b>		Jan 24/25 C/D <b>Finish and turn in lab.</b> Problems 11-15 <b>Build</b> an Instrument Project <b>Due March 10-11</b>	
Jan 28/29A/B <b>Quiz SHM</b> <b>Lab Practical</b>		Jan 30 I	Jan 31 Feb 1 C/D Do problems 16-20 on board <b>Spring,String and Wave Demos</b> <b>Start Ripple Tanks</b>	
Feb 4/5 A/B <b>Finish</b> any probs left 21-25. <b>Ripple Tanks Due Next Period</b>		Feb 6 I	Feb 7/8 C/D Review <b>Wave properties Quiz/Lab practical.</b>	
Feb 11 A Feb 12 B 11-12 <b>Exam SHM &amp;Wave</b> <b>Read Ch. 14 pp. 354-380</b> B 1-10 Exam 11:00-12:30, Mix in another class or 4:15-5:45		Feb 13 C Feb 14 B1-10 <b>Interims</b> Correct Test 1-5 Problems Ch.14 problem set. Sound Stations B 11-12 See Dr. Hawker about corrections		Feb 15 Extended
Feb 18 Pres. Day	Feb 19 D Correct Test Sound Stations First 5 Problems Ch.14 problem set.		Feb 20 I	Feb 21/22 C/D <b>Demo Resonance, Video Bridge</b> <b>Problems 6-10</b> <b>Lab-Resonance of tubes</b>
Feb 25/26A/B Doppler Effect Music Video Doppler Demo <b>Sonometer Lab</b>		27 I	Feb 28/29 C/D <b>Ch. 14 Quiz with lab practical</b>	
Mar 3/4 A/B <b>Review Ch 14</b> <b>Rubin' Tube Demo Work on instument</b>		Mar 5 I	Mar 6/7 <b>Exam Sound Ch 14</b> Read Ch. 22 pp.577-592	
Mar 10/11 A/B (End of Quarter) <b>Correct Exams</b> <b>Play instruments</b>		Mar 12 I	Mar 13/14 C/D <b>Go over</b> Ch 22 Problems 1-5 Reflection of Your Mind-Optics Stations Optics Project <b>Due April 24-25</b>	
March 17/18 A/B <b>Optic Benches, Reflection</b>		March 19/20 C/D <b>Optic Benches Refraction</b>		