

Advanced Physics Semester II Waves and Fields First Quarter

Jan 14/15 A/B Course Sylabus, Calendar , SHM Demos Ch. 13 Problems 1-3 from web site. Derive Spring k lab, Read pp 327-349		Jan 16 I	Jan 17/18 C/D Present Probs 4-5 on board. Finish Spring Lab (Students devise method for finding T)	
Jan 21 MLK	Jan 22/23 A/B Derive Pendulum Equation. Probs 6-10 on board. Instrument Project Due March 10-11		Jan 24/25 C/D Problems 11-15 Spring Energy (Monkey Gun) Due Next period	
Jan 28/29A/B Quiz SHM Lab Practical		Jan 30 I	Jan 31 Feb 1 C/D Do problems 16-20 on board Spring,String and Wave Demos Start Ripple Tanks	
Feb 4/5 A/B Finish any probs left 21-25. Ripple Tanks Due Next Period		Feb 6 I	Feb 7/8 C/D Review Wave properties Quiz/Lab practical.	
Feb 11 A Feb 12 B 11-12 Exam SHM &Wave Read Ch. 14 pp. 354-380 B 1-10 Exam 11:00-12:30, Mix in another class or 4:15-5:45		Feb 13 C Feb 14 B1-10 Interims 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 Demo Resonance, Video Bridge Problems 6-10 Lab-Resonance of tubes
Feb 25/26A/B Doppler Effect Music Video Doppler Demo Sonometer Lab		27 I	Feb 28/29 C/D Ch. 14 Quiz with lab practical	
Mar 3/4 A/B Review Ch 14 Ruben's Tube Demo Work on instrument		Mar 5 I	Mar 6/7 Exam Sound Ch 14 Read Ch. 22 pp.577-592	
Mar 10/11 A/B (End of Quarter) Correct Exams Play instruments Discuss Section 21-12 pp. 568-570 One page on em spectrum		Mar 12 I	Mar 13/14 C/D Go over Ch 22 Problems 1-5 Reflection of Your Mind-Optics Stations Optics Project Due April 24-25	
March 17/18 A/B Khet tournament.		March 19/20 C/D Reflection vs. Refraction Build the Laws		