

TENTATIVE CALENDAR SYLLABUS, FALL 09, PHYSICS 1130

Physics for Poets (Problem Sets assigned for each chapter.) East House 106

Lab Schedule	Tuesdays	Thursdays
No Lab	8 Sept 09 NO CLASS	10 Class Role, Overview, Introduction and Vote of Topics. Read Chap 1 of Text.
Lab 1: Pendulum Lab	15 Physical Quantities; Powers of 10; Sc. Notation. CHAP. 2: Speed, Unit Conversion (Handout Unit Conversion Practice)	17 Acceleration; Begin Chapter 3 Newton's Laws of Motion
Lab 1 Cont'd: Excel Data Format & Graphing]	22 Finish Chap. 3 Newton's Laws Quiz 1	24 Chapter 4 Projectiles and Circular Motion
Lab 2: Free Fall & Measurement of "g	29 Chap. 5 Newton's Universal Law of Gravitation.	2 Oct 09 Chap. 5 cont'd. Introduction to Astronomy; Does Life Exist Elsewhere?
Lab 3 TBA [Density Measurements]	6 Chapter 6 Momentum and its Conservation (Dr. Artz at NOBEL CONFERENCE) Quiz 2	8 Chapter 6 Continued. Begin Chapter 7 Energy and its Conservation
Lab 4: Using Light Spectra from Stars to Identify Elements	13 Chapter 7 Energy Conservation Continued.	15 Chap. 11 Atoms, Molecules (Briefly) Quiz 3
Lab 5: Measurement of Speed of Sound in Air]	20 CHAP. 15 Vibrations & Waves	22 Chap. 15 Cont'd
Lab 6 Standing Waves	27 CHAP. 16 Sound and Music	29 Sound & Music Cont'd Quiz 4
Lab 8 Simple Converging Lenses	3 Nov 09 Mystery of Light: CHAP. 17: Reflection	5 CHAP. 18 Refraction
	10 Color	12 Light concluded; Begin Electricity. QUIZ 5
Series & Parallel Circuits	17 Chap 20 Electricity	19 Chap 21 Electric Current
Work on Projects	24 Chap. 22 Electromagnetism QUIZ 6 Topic Due: TP or LP	26 NO CLASS; THANKSGIVING
Work on Projects	1 Dec 09 Chap. 9, 10 Classical Relativity; Einstein's Relativity	3 Chapter 26 Nuclear Energy
Work on Projects; Class Evaluations	8 Chap. 28 Cosmology and the Frontiers of Physics. All Projects due by today.	10 Quiz 7 Class Evaluations
	16 FINAL EXAM East House 106 7:45 AM –9:45 AM	