

Lecture/Laboratory Schedule for Phy41 (Fall 2009).

Week	Topics to be covered	Chapters covered
08/24/09	Units/Dim + 1d Kinematics <i>Orientation, Discussion of Error/Uncertainty</i>	Chapters 1,2
08/31/09	2d Kinematics(Projectiles+Circular Motion) <i>Lab: Measurement & Estimation</i>	Chapters 3
09/07/09	Newton's Laws, Friction <i>Workshop: x,v,a,g & Projectile Motion</i>	Chapter 4,5
09/14/09	Applications of Newtons Laws, Work/Energy <i>Lab: Force Balance</i>	Chapters 5,6
09/21/09	Work/Energy (Midterm on Friday) <i>Lab: Work & Energy</i>	Chapter 6,7
09/28/09	Linear Momentum <i>Lab: Force/Work/Energy (new)!</i>	Chapter 8
10/05/09	Rotations <i>No laboratory (Midterm break)</i>	Chapter 9
10/12/09	Angular Momentum and Torque <i>Workshop:Ballistic Pendulum</i>	Chapter 10
10/19/09	Gravity, Static Equilibrium <i>Lab: Torque Balance</i>	Chapter 11,12
10/26/09	Oscillations and Waves <i>Workshop: Archemedes Principle</i>	Chapters 14
11/02/09	Interference of Waves <i>Workshop: Simple Harmonic Oscillator</i>	Chapter 15,16
11/09/09	Kinetic Theory <i>Lab: Sound</i>	Chapter 17,18
11/16/09	Heat/First Law of Thermodynamics <i>Lab: Ideal Gas Law</i>	Chapter 18
11/23/09	Second Law+Heat Engines <i>No Laboratory</i>	Chapter 19
11/30/09	Thermal Properties <i>Lab: Heat Engines</i>	Chapter 20