

# Schedule for PHYS 110/110G

## Fall 2005

Date	Day	Topics	Reading Assignment	Due
30-08	T	Introduction; Space and Time		
02-09	F	Motion Diagrams	1	WU 1, 8 AM PS, 8 AM NS, 8 AM
		LAB 1: Measurement	LM	
06-09	T	Rates of Change	2	WU 2, 8 AM
09-09	F	Constant Acceleration and Graphs	2	HW 1, in class
		LAB 2: Kinematics of Freefall	LM	LB 1, in lab
13-09	T	Vectors	3	WU 3, 8 AM
16-09	F	Forces	4	HW 2, in class
		LAB 3: Vectors	LM	LB 2, in lab
20-09	T	Equilibrium and Friction	5.1-5.4	WU 4, 8 AM
23-09	F	Newtonian Dynamics	5.6, 6.4	HW 3, in class
		LAB 4: Friction	LM	LB 3, in lab
27-09	T	Projectile Motion	5.5, 6.1-6.3	WU 5, 8 AM
30-09	F	Circular Dynamics	7	HW 4, in class
		LAB 5: Projectile Motion	LM	LB 4, in lab
04-10	T	Mass, Weight, and Gravity	4.5, 5.3, 7.5, 12.1-12.4*	WU 6, 8 AM
07-10	F	TEST 1	1-7	HW 5, in class
14-10	F	Interacting Systems and Newton's Third Law	8	WU 7, in class
		LAB 6: Uniform Circular Motion	LM	LB 5, in lab
18-10	T	Impulse and Momentum	9.1-9.4	WU 8, 8 AM
21-10	F	Mechanical Energy	10.1-10.5	HW 6, in class MS, 8 AM
		LAB 7: Conservation of Energy	LM	LB 6, in lab
25-10	T	Collisions	9.5 – 9.7, 10.6	WU 9, 8 AM
28-10	F	Work	11.1-11.5	HW 7, in class
		LAB 8: Conservation of Momentum	LM	LB 7, in lab
01-11	T	Energy Processes	10.7, 11.6-11.9, 12.5-12.6	WU 10, 8 AM
04-11	F	Simple Harmonic Motion	14	HW 8, in class
		LAB 9: Simple Harmonic Motion	LM	LB 8, in lab
08-11	T	Review	1-12, 14	WU 11, 8 AM
11-11	F	TEST 2	1-12, 14	HW 9, in class
15-11	T	Fluids	15	WU 12, 8 AM
18-11	F	Phases of Matter	16	WU 13, 8 AM
		LAB 10: Archimedes' Principle	LM	LB 9, in lab
22-11	T	Heat	17	HW 10, in class
29-11	T	Atomic Hypothesis	18	WU 14, 8 AM
02-12	F	Heat Engines	19	HW 11, in class
		LAB 11: Calorimetry	LM	LB 10, in lab
06-12	T	Entropy and Complexity	18.6, 19.5-19.6	WU 15, 8 AM
09-12	F	Review	1-12, 14-19	HW 12, in class ES, 8 AM LB 11, in class
TBA		FINAL		

Key: LM – lab manual; WU – online warm-up quiz; PS – online (Blackboard) pre-class survey; NS – online (Galileo) Newtonian survey; HW – homework assignment; LB – lab report; MS – online (Blackboard) mid-semester survey; ES online (Galileo) end-of-semester survey.