

REVISED Physics 106 Course Schedule – Spring 2009

Cycle	Day	Date	Text	Topics	Tests	Labs	
1	2	Tue 1/13	14.1 – 14.5	Sound Waves		No Lab	
	4	Thu 1/15	14.6 – 14.8	Doppler Effect, Interference, and Standing Waves			
	6	Mon 1/19	14.9 – 14.13	Resonance, Air Columns, Beats, The Ear			
2	2	Wed 1/21	14.1 – 14.13	Sound	Test 1	Electrical Instruments	
	4	Fri 1/23	15.1 – 15.4	Electric Charges, Coulomb's Law, Electric Fields			
	6	Tue 1/27	15.5 – 15.9	Electrostatic Equilibrium, Electric Flux, and Gauss's Law			
3	2	Thu 1/29	16.1 – 16.2	Electric Potential and Electric Potential Energy	Quiz 1	Resonance	
	4	Mon 2/2	16.3 – 16.8	Equipotential Surfaces, Capacitance, and Capacitors			
	6	Wed 2/4	16.9 – 17.2	Stored Energy, Dielectrics; Electric Current			
4	2	Fri 2/6	17.3 – 17.8	Ohm's Law, Energy, and Power	Quiz 2	Sound Waves	
	4	Tue 2/10	18.1 – 18.4	Series and Parallel Resistors; Kirchoff's Rules			
	6	Thu 2/12	18.5 – 18.8	RC Circuits, Household Circuits, Neurons			
5	2	Mon 2/16	15.1 – 18.8	Electricity and DC Circuits	Test 2	DC Circuits	
	4	Wed 2/18	19.1 – 19.4	Magnets, Magnetic Fields, Magnetic Force			
	6	Fri 2/20	19.5 – 19.10	Torque, Ampère's Law, Magnetic Materials			
6	2	Tue 2/24	20.1 – 20.4	emf, Magnetic Flux, Faraday's Law, and Lenz's Law		Magnetic Fields	
	4	Thu 2/26	20.5 – 20.8	Generators, Self-Inductance, RL Circuits, Energy	Quiz 3		
	3/2 – 3/6			Spring Break			
	6	Mon 3/9	21.1 – 21.4	AC Circuits			
7	2	Wed 3/11	21.5 – 21.7	Power, RLC Resonance, Transformers	Quiz 4	AC Circuits	
	4	Fri 3/13	21.8 – 21.13	Maxwell's Predictions, EM Waves, Doppler Effect			
	6	Tue 3/17	19.1 – 21.13	Magnetism, AC Circuits, and EM Waves	Test 3		
8	2	Thu 3/19	22.1 – 22.3	Reflection and Refraction of Light		No Lab	
	4	Mon 3/23	22.4 – 22.7	Dispersion, Huygen's Principle, Total Internal Reflection			
	6	Wed 3/25	23.1 – 23.5	Mirrors, Refraction	Quiz 5		
9	2	Fri 3/27	23.6 – 24.2	Lenses, Young's Double-Slit Experiment		Lenses	
	4	Tue 3/31		Classes Canceled Due to Snow			
	6	Thu 4/2	24.3 – 24.9	Thin Film Interference, Diffraction, Polarization	Quiz 6		
10	2	Mon 4/6	25.1 – 25.7	Optical Instruments		Diffraction	
	4	Wed 4/8	22.1 – 25.7	Optics	Test 4		
	Thu 4/9 – Mon 4/13			Easter Recess			
11	6	Wed 4/15	26.1 – 26.4,7	Relativity		Nuclear Radiation	
	2	Fri 4/17	27.1 – 27.8	Quantum Physics			
	4	Tue 4/21	28.1 – 28.4	Atomic Spectra and Bohr Model of Atom	Quiz 7		
	Wed 4/22			Scholarship and Creativity Day Activities			
12	6	Fri 4/24	28.5 – 28.7	Periodic Table, X-rays, Lasers		Assessment Exam on Web	
	2	Tue 4/28	26.1 – 28.7	Modern Physics	Test 5		
	4	Thu 4/30	29.1 – 29.3	Nuclei, Binding Energy, Radioactivity			
Exam Week	6	Mon 5/4	29.4 – 29.7	Decay Processes, Nuclear Reactions		Assessment Exam on Web	
	Tue 5/5		Study Day				
		Thu 5/7	8:00-10:00a	Section 03A (11:20 class period)			Final Exam
	Thu 5/7	6:00-8:00p	Section 04A (1:00 class period)		Final Exam		