

Schedule for the last 10 classes in Phys 116, Winter quarter 2007.		
Date	Topic	Section in Walker's text
Th, 2/22	Diffraction grating	28-6
	Skip Chapter 29, Special Relativity	
	Continuous spectrum from heated solids	30-1
	Line spectrum from atomic sources	31-2
	Black body radiation, Planck's quantization	30-1
Fr. 2/23	Photoelectric effect, photons	30-2
	Mass and momentum of photons	30-3
	Skip Compton effect, section 30-4	
	DeBroglie's hypothesis, particles as waves	30-5
Mo. 2/26	Heisenberg's uncertainty principle	30-6
	Quantum tunneling	30-7
	Early models of the atom	31-1
Tu. 2/27	Bohr atom, the spectrum of hydrogen	31-2,3
	DeBroglie's matter waves	31-4
Th. 3/1	EXAM 3	
Fr. 3/2	The quantum mechanical hydrogen atom	31-5
	Multielectron atoms, exclusion principle, periodic table	31-6
Mo, 3/5	Atomic radiation: light, lasers and X-rays	31-7
Tu. 3/6	Nucleus of atoms	32-1
	Radiactivity: alpha, beta, gamma rays	32-2
Th. 3/8	Half-life and radioactive decay	32-3
Fr. 3/9	Finish whatever we have "hanging"	
Th. 3/15	Final Exam, 8:30 am to 10:20 am, not usual class time	