Week	***Subjects Covered***	***Chapters/Sections***	***Homework Assigned***	***Notes***
Aug. 25	Charge Conservation, Forces from Charges	21 / 1 - 3		
Aug. 27	Electric fields, Electric field lines	21 / 4 – 6		
Aug. 29	Flux, Gauss Law	22 / 1 - 5		
Sept. 1	Potential Energy, Electric Potential	23 / 1 - 5		
Sept. 3	Examples			
Sept. 5	Test 1 Review	Covers material Aug. 25 – Sept. 3		
Sept. 8	Capacitance	24 / 1 - 4		Test 1
Sept. 10	Drift velocity, Conductivity	25 / 1 - 6		
Sept. 12	Resistors and circuits	26 / 1 - 2		
Sept. 15	RC Circuits	26/ 4		
Sept. 17	Magnetic Fields, Forces on a moving Charge	27 / 1 - 5		
Sept. 19	Torque, Hall effect	27 / 6 – 9		
Sept. 22	Magnetic fields: Wires, coils, loops, solenoids	28 / 1 - 4		
Sept. 24	Examples and Ampere's Law	28 / 5 - 8		
Sept. 26	Test 2 Review	Covers material Sept. 8 – Sept. 24		
Sept. 29	Induced EMF	29 / 1 - 6		Test 2
Oct. 1	Examples			
Oct. 3	Inductance	30 / 1 - 3		
Oct. 6	RLC Circuits	30 / 4 – 6, 31 / 1-2		
Oct. 8	Examples			
Oct. 10	Impedance, Resonance	31 / 2 - 5		
Oct. 13	Electromagnetic Waves / Polarization	32 / 1 – 5, 33 / 5		
Oct. 15	Index of refraction	33 / 1 - 5		
Oct. 17	Test 3 Review	Covers material Sept. 29 – Oct. 15		
Oct. 20	Catching up on sleep, Contemplations of physics			Test 3
Oct. 22	Images, mirrors	34 / 1 - 3		
Oct. 24	Lens equation	34 / 3 - 4		
Oct. 27	Optics Examples	34 / 5 - 8		
Oct. 29	Interference Slits - Sources	35 / 1 - 3		
Oct. 31	Interference Thin Films	35 / 4		
Nov. 3	Diffraction	36 / 1 - 7		
Nov. 5	Examples			
Nov. 7	Test 4 Review	Covers material Oct. 20 – Nov. 7		
Nov. 10	Relativity, time dilation, length contraction	37 / 1 - 4		Test 4
Nov. 12	Relativity, Energy and Momentum	37 / 5 - 8		
Nov. 14	Photoelectric effect, Bohr atom, Blackbody Radiation	38 / 1 - 8		
Nov. 17	DeBroglie Waves, Uncertainty Principle, Wave functions	39 / 1 - 5		
Nov. 19	Particle in a box, Barrier Penetration	40 / 1 - 3		
Nov. 21	Spin, Spectra, Periodic table	41 / 1 - 5		
Nov. 24	Lost Baggage, Exotic Travel, Gluttony,			
Nov. 26				
Nov. 28	New uses for turkey.			
Dec. 1	Nuclear binding energy, Decays, Fission, Fusion	43 / 1 - 3, 6 - 8		
Dec. 3	Decays, radiation	43 / 4 - 5		
Dec. 5	Quarks, The Standard Model	43 / 3 – 5		
Dec. 8	Cosmology	44 / 6 - 7		
Dec. 17	Final Exam, 3:00 p.m. (probably SC4327)	Covers whole course.		