

			Phys102 Calendar (2010 Fall)		
wk	Date	Lecture	Topics	Ref (SFU Ed.)	Ref (6th Ed.)
1	Mon 9/6				
	Wed 9/8	1	Course introduction, Coulomb's law	21-1,2,3,4,5.	16-1,2,3,4,5.
	Fri 9/10	2	Coulomb's law, the electric field, conductors	21-5,6,8,9,10.	16-6,7,8,9,+.
2	Mon 9/13	3	Electric dipoles	21-11,12.	16-11, +.
	Wed 9/15	4	Gauss's law	22-1,2,3.	16-10, +.
	Fri 9/17	5	Examples	Notes	Notes
3	Mon 9/20	6	Electric potential	23-1,2,3,4,5,6,7,8,9	17-1,2,3,4,5,6,+.
	Wed 9/22	7	Capacitance, dielectrics	24-1,2,3,4,5,6.	17-7,8,9,10+.
	Fri 9/24	8	Examples		
4	Mon 9/27	9	Examples		
	Wed 9/29	10	Examples		
	Fri 10/1	11	Examples		
5	Mon 10/4	12	Electric currents and resistance	25-1,2,3,4,5,6,7.	18-1,2,3,4,5,6,7.
	Wed 10/6	13	DC circuits	26-1,2,+.	19-1,2,5.
	Fri 10/8	14	RC circuits, meters	26-5.	19-5,6.
6	Mon 10/11		Thanksgiving		
	Wed 10/13	15	Examples	Notes	Notes
	Fri 10/15		Midterm#1		
7	Mon 10/18	16	Magnetic fields	27-1,2,3,4.	20-1,2,3,4.
	Wed 10/20	17	Torque, magnetic dipole, mass spectrometer	27-5,9.	20-9,11.
	Fri 10/22	18	Source of magnetic field, Ampere's law.	28-1,2,3,4,5.	20-5,6,7,+.
8	Mon 10/25	19	Examples	Notes	Notes
	Wed 10/27	20	Faraday's law, transformers	29-1,2,3,4,5,6.	21-1,2,3,4,5,6,7.
	Fri 10/29	21	Examples		
9	Mon 11/1	22	Electromagnetic waves	31-1,2,3.	22-1,2,3
	Wed 11/3	23	Light, reflection, mirrors	32-1,2,3.	23-1,2,3
	Fri 11/5	24	Refraction.	32-4,5,6,7.	23-4,5,6.
10	Mon 11/8	25	Thin lenses	33-1,2,3.	23-7,8,9.
	Wed 11/10	26	The human eye, compound microscope	33-6,7,9.	25-2,3,4,5.
	Fri 11/12	27	The human eye, compound microscope	33-6,7,9.	25-2,3,4,5.
11	Mon 11/15	28	Examples		
	Wed 11/17	29	Examples		
	Fri 11/19		Midterm #2		
12	Mon 11/22	30	Interference of light	34-1,2,3,5*.	24-1,2,3,8*.
	Wed 11/24	31	Diffraction of light	35-1,2,3.	24-5,6,+.
	Fri 11/26	32	Resolution of optical instruments	35-4,5,6.	25-7,8,9.
13	Mon 11/29	33	Diffraction grating, spectrometer, polarization.	35-7,8,11.	24-6,7,10.
	Wed 12/1	34	Structure and properties of the nucleus	42-1,2,3,4,5.	30-1,2,3,4,5.
	Fri 12/3	35	Radioactivity	42-6,7.	30-6,7.
14	Mon 12/6	36			
	Sat 12/11		Final Exam (3:30-6:30pm) in C9001.		