

Physics 171.106 Schedule Spring 2010

Please check periodically for updates **Last updated: February 16, 2010**
 On some occasions lectures and conference sections will be switched

All readings in Purcell

Week	Class	Date	Topic and Announcements	Reading
1	1	25-Jan	Units, Coulomb's Law	
	2	27-Jan	the Electric Field	1.1-1.7
	3	29-Jan		
2	4	1-Feb	Gauss's Law	1.8-1.15
	5	3-Feb	Electric Potential	2.1-2.5
	6	5-Feb		
3		8-Feb	Snow!	
		10-Feb		
		12-Feb		
4	7	15-Feb	More electric potential	2.6-2.12
	8	17-Feb	Some Vector Calculus	
		19-Feb	<i>Conference Section on Mathematica</i>	
5	9	22-Feb	Conductors	3.1-3.4
	10	24-Feb	Capacitance	3.5-3.8
	11	26-Feb		
6	12	1-Mar	More on capacitance	
	13	3-Mar	Electrical currents	4.1-4.6
	14	4-Mar	<i>Make-up lecture - in section</i>	
	15	5-Mar		
7	16	8-Mar	DC circuits	4.7-4.9
	17	10-Mar	DC circuits	4.10-4.11
	11-Mar		Midterm 1 - in section	
	12-Mar			
		15-Mar	SPRING BREAK	
		21-Mar		
8	19	22-Mar	More vector calc - Curl	2.13-2.16
	20	24-Mar	Magnetic field	6.1-6.6 and
	21	26-Mar		handouts
9	22	29-Mar	Induction	7.1-7.4
	23	31-Mar	Faraday's Law	7.5-7.10
	24	2-Apr		
10	25	5-Apr	AC Circuits	8.1-8.2
	26	7-Apr		8.3-8.5
	27	9-Apr		
11	28	12-Apr	Maxwell's Equations	9.1-9.3
	29	14-Apr	Electromagnetic waves	9.4-9.6
	15-Apr		Midterm 2 - in section	
	30	16-Apr		
12	31	19-Apr	Electric fields in matter	10.1-10.4
	32	21-Apr		10.5-10.10
	33	23-Apr		10.11-10.15
13	34	26-Apr	Optics	Handouts
	35	28-Apr		
	36	30-Apr		
14	37	3-May	Magnetic Fields in Matter	11.1-11.5
	38	5-May		11.6-11.11
	39	7-May		
15		8-May	Reading Period	
		9-May		
16		10-May	FINAL EXAM TBA	
		16-May		