

Date	Day	Class #	Text	Main Topics	Prelecture/Checkpoint ¹	MP HW ²	Tut Activity ³	Tut HW Due ⁴
27-Aug	M	1	20.1	Electric Charge				
28-Aug	Tu				Coulomb's Law		Charge	None
29-Aug	W	2	20.2	Coulomb's Law		1		
30-Aug	Th				Electric Fields			
31-Aug	F	3	20.2-3	Electric Field				
3-Sep	M	Labor Day						
4-Sep	Tu						Electric Field and Flux	83-86
5-Sep	W	4	20.3-4	Charge Distributions		2		
6-Sep	Th							
7-Sep	F	5	20.5, 21.1	Dipoles, Electric Field Lines				
10-Sep	M	6	21.2-3	Electric Flux and Gauss's Law	Electric Flux/Field Lines (due Sun. night)			
11-Sep	Tu				Gauss' Law		Gauss' Law	87-89
12-Sep	W	7	21.3-4	Using Gauss's Law		3		
13-Sep	Th							
14-Sep	F	8	21.4-5	Using Gauss's Law				
17-Sep	M	9	21.6, 22.1	Charge on Conductors, Electric Potential Energy	Electric Potential Energy (due Sun. night)			
18-Sep	Tu						Electric Potential Difference	91-92
19-Sep	W	10		Review for Exam #1		4		
20-Sep	Th			EXAM 1: 7:30-9:15 PM				
21-Sep	F	11	22.1-2	Electric Potential Energy				

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³In-class tutorial activity (from the "blue book"). The HW for this activity (from the "red book") will be due the *FOLLOWING* week at start of your tutorial.

⁴Tutorial homework assignments (pages from the "red book" listed in this column) are due the week after the corresponding tutorial, at the beginning of your tutorial. For example, the "Charge" activity takes place on 8/28, and its homework (pg. 83-86) is due on 9/4.

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24-Sep	M	12	22.2-3	Electric Potential, Equipotentials	Electric Potential (due Sun. night)			
25-Sep	Tu				Conductors and Capacitance		Capacitance	93-96
26-Sep	W	13	22.4, 23.1-2	Conductors as Equipotentials, Introduce Capacitors		5		
27-Sep	Th				Capacitors			
28-Sep	F	14	23.2-3	Energy in Capacitors, Dielectrics				
1-Oct	M	15	23.3-4	Multiple Capacitors, Energy in Electric Field				
2-Oct	Tu				Electric Current		Circuits I	97-98
3-Oct	W	16	24.1-2	Electric Current, Ohm's Law (microscopic)		6		
4-Oct	Th							
5-Oct	F	17	24.3	Ohm's Law (macroscopic)				
8-Oct	M	18	24.4-5	Electric Power, Safety				
9-Oct	Tu						Circuits II	99-102
10-Oct	W	19	25.1-2	Circuit Diagrams, Batteries, Series Resistors		7		
11-Oct	Th				Kirchoff's Rules			
12-Oct	F	20	25.2-3	Parallel Resistors, Kirchoff's Laws				
15-Oct	M	21	25.3	Kirchoff's Laws				
16-Oct	Tu						RC Circuits	104-106
17-Oct	W	22		Review for Exam #2		8		
18-Oct	Th			EXAM 2: 7:30-9:15 PM	RC Circuits			
19-Oct	F	23	25.4-5	Ammeters and Voltmeters, RC Circuits				

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22-Oct	M	24	25.5	RC Circuits				
23-Oct	Tu				Magnetism		Magnets and Magnetic Fields	109-110
24-Oct	W	25	26.1-2	Magnetic Force and Field		9		
25-Oct	Th				Forces and Torques on Currents			
26-Oct	F	26	26.3-4	Cyclotron Motion, Force on Currents				
29-Oct	M	27	26.5	Biot-Savart Law	Biot-Savart Law (due Sun. night)			
30-Oct	Tu						Magnetic Interactions	111-112
31-Oct	W	28	26.6	Magnetic Dipoles		10		
1-Nov	Th				Ampere's Law			
2-Nov	F	29	26.7-8	Ferromagnetism, Ampere's Law				
5-Nov	M	30	26.8	Ampere's Law				
6-Nov	Tu				Motional EMF		Lenz' Law	113-114
7-Nov	W	31	27.1-2	Induced Currents, Magnetic Flux		11		
8-Nov	Th				Faraday's Law			
9-Nov	F	32	27.2	Faraday's Law, Lenz's Law				
12-Nov	M	33	27.3	Motional EMF, Eddy Currents				
13-Nov	Tu						Faraday's Law	115-116
14-Nov	W	34		Review for Exam #3		12		
15-Nov	Th			EXAM 3: 7:30-9:15 PM	Induction and RL Circuits			
16-Nov	F	35	27.4	Inductors				

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19-Nov	M	Fall Break and Thanksgiving						
20-Nov	Tu							
21-Nov	W							
22-Nov	Th							
23-Nov	F							
26-Nov	M	36	27.5-6	Magnetic Energy, Induced E-fields				
27-Nov	Tu				LC Circuits		Post-test	117-118
28-Nov	W	37	28.1, 3	AC Circuits, LC Oscillators		13		
29-Nov	Th				Transformers (no checkpoint for this one)			
30-Nov	F	38	28.5-6	AC Power, Transformers				
3-Dec	M	39	29.1-3	Maxwell's Equations	Electromagnetic Waves (due Sun. night)			
4-Dec	Tu				Properties of EM Waves		EM Waves	Waves (handout)
5-Dec	W	40	29.4-5	EM Waves, Polarization		14		
6-Dec	Th				Polarization			
7-Dec	F	41	29.6-8	Energy in EM Waves				
10-Dec	M	42	30.1-3	Reflection, Refraction, Total Internal Reflection	Reflection and Refraction (due Sun. night)			
11-Dec	Tu						Polarization	133-134
12-Dec	W	43		Review for final		15		
13-Dec	Th							
14-Dec	F	Reading Day						
19-Dec	W	Final Exam: 10:30 AM - 1:00 PM						

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