

Week	Date	Day	Topic	Subtopics	Y & F 15th ed. Chapter.section(s)	Pset*	Exams
1	Jan 23	T	<b>Electric Force</b>	Electric charge & force	21.1-2		
	Jan 25	R		Coulomb's Law & Superposition	21.3-4	0	
2	Jan 30	T	<b>&amp; Electric Field</b>	Electric Fields	21.5		
	Feb 1	R		Calculating electric fields	21.6-7	1	
3	Feb 6	T		Electric field lines & Gauss's Law	22.1-4		
	Feb 8	R		Gauss's Law & conductors	22.4-5	2	
4	Feb 13	T	<b>Electric PE</b>	Electric Potential Energy & Work	23.1-2		
	Feb 15	R	<b>&amp; Potential</b>	Calculating Electric Potential	23.3-5	3	
5	Feb 20	T	<b>&amp; Capacitance</b>	Capacitance & Electric energy	24.1-2		Prelim 1
	Feb 22	R		Capacitors, Dielectrics, & Energy	24.3-5	4	
6	Feb 27	T		<i>FEBRUARY BREAK</i>			
	Feb 29	R	<b>Electric Current</b>	Current & Resistors	25.1-4, 25.6	5	
7	Mar 5	T	<b>&amp; Circuits</b>	Kirchoff's Laws: Circuits	25.5, 26.1-2		
	Mar 7	R		Kirchoff's Laws: Circuits pt2	26.2-3	6	
8	Mar 12	T		RC Circuits	24.2; 26.4		
	Mar 14	R	<b>Magnetic Force</b>	Magnetic fields (B) & forces	27.1-5	7	
	Mar 19	T		Magnetic forces on currents	27.6-7, 27.9		
	Mar 21	R	<b>&amp; Magnetic Field</b>	Biot-Savart Law	28.1-5	8	
9	Mar 26	T		Biot-Savart Law pt2	28.1-5		Prelim 2
	Mar 28	R		Ampere's Law	28.6-8	None	
10	Apr 2	T		<i>SPRING BREAK</i>			
	Apr 4	R					
11	Apr 9	T		Ampere's Law + Magnetic materials	28.6-8		
	Apr 11	R	<b>Magnetic</b>	Faraday's Law + Induced EMF	29.1-2	9	
12	Apr 16	T	<b>Induction</b>	Lenz's Law + Magnetic Induction	29.3-7, 30.1		
	Apr 18	R	<b>Inductance</b>	Displacement current + Inductance	30.2-3, 31.6	10	
13	Apr 23	T		LR Circuits	30.4		
	Apr 25	R	<b>AC Circuits</b>	LC and damped LRC Circuits	30.4-6	11	
14	Apr 30	T	<b>AC Circuits</b>	Driven LRC Circuits	31.1-5		
	May 2	R	<b>EM Waves</b>	Maxwell's Eqns. & EM waves	32.1-4	12	
14	May 7	T		Finale			
15	May 8-10			<i>STUDY PERIOD</i>			
<b>May 11-18</b>				<b>FINAL EXAM: TBA</b>			

\* Problem Sets are due Fridays at 11:59pm unless otherwise announced

NOTE: This syllabus is subject to change. Updates will be made at lecture.