Class		Date	Text	Topics	Exams	Labs
1	M	Jan 13	21.1–21.3	Electric Charges, Coulomb		
2	W	Jan 15	21.4–21.6	Electric Fields		
3	F	Jan 17	21.5–21.6	$\vec{\mathbf{E}}$ by integration		
MLK Day: Monday						
4	W	Jan 22	21.5–21.7	$\vec{\mathbf{E}}$ by integration, dipoles		Field Superposition
5	F	Jan 24	22.1–22.3	Gauss' Law		
6	M	Jan 27	22.1–22.5	Applying Gauss' Law		
7	W	Jan 29	23.1–23.3	Electric Potential		Equipotentials
8	F	Jan 31	23.3–23.5	V by integration, $\vec{\boldsymbol{\nabla}}$		
9	M	Feb 3	21.1–23.5	Review		
10	W	Feb 5	21.1–23.5	**Electricity**	**Exam 1**	
11	F	Feb 7	24.1–24.3	Capacitance		
12	M	Feb 10	24.3–24.4	Stored energy & dielectrics		
13	W	Feb 12	24.4–24.6	Dielectrics		Digital Oscilloscope
14	F	Feb 14	25.1–25.4	Current Density, Ω		
15	M	Feb 17	25.4–25.6	Simple Circuit, power		
16	W	Feb 19	26.1–26.3	Kirchhoff's Rules		Ohmic & Non-Ohmic
17	F	Feb 21	26.3–26.5	Electrical Measurements		
18	M	Feb 24	26.4–26.5	RC Circuits		
19	W	Feb 26	24.1–26.5	Review		DC Circuits
20	F	Feb 28	24.1–26.5	$\boldsymbol{V, I, R, C}$	**Exam 2**	
Spring Break: Monday–Friday						
21	M	Mar 9	27.1–27.3	Magnetic Field		
22	W	Mar 11	27.3–27.6	$Id\vec{\boldsymbol{\ell}} \times \vec{\mathbf{B}}$		RC Circuits
23	F	Mar 13	27.7–27.9	loops: force & torque		
24	M	Mar 16	28.1–28.4	Biot-Savart		
25	W	Mar 18	28.5–28.7	Ampere's Law		Electron e/m
26	F	Mar 20	28.5–28.8	More $\vec{\mathbf{B}}$		
27	M	Mar 23	29.1–29.4	Induction		
28	W	Mar 25	29.5–29.8	emf		Helmholtz Coils
29	F	Mar 27	29.5–29.8	Maxwell		
30	M	Mar 30	27.1–29.8	Review		
31	W	Apr 1	27.1–29.8	$\vec{\mathbf{B}}$ **& Induction**	**Exam 3**	
32	F	Apr 3	30.1–30.3	Inductors		
33	M	Apr 6	30.2–30.4	Magnetic Energy & RL circuit		
34	W	Apr 8	30.4–30.6	LC circuit		
Easter Break: Friday–Monday						
35	W	Apr 15	30.4–30.6	LRC circuit		
36	F	Apr 17	31.1–31.3	Phasors, reactance: X_L, X_C		
37	M	Apr 20	31.4–31.6	LRC circuit		
38	W	Apr 22	31.4–31.6	Resonance, Transformer		AC Circuits
39	F	Apr 24	32.1–32.3	Electromagnetic Waves		
40	M	Apr 27	27.9,28.8	materials + Maxwell		
41	W	Apr 29	32.4–32.5	Electromagnetic Waves		
42	F	May 1	30.1–32.5	Review		
43	M	May 4	30.1–32.5	**AC Circuits & EM Waves**	**Exam 4**	
	W	May 6	21.1–32.5	ALL: 8:00 & 10:30	**Final Exam**	