

Class	Date	Text	Topics	Labs	
1	T	Apr 20	21.1–21.3 21.4–21.6 21.5–21.7	Electric Charges, Coulomb Electric Fields $\vec{E}$ by integration, dipoles	
2	R	Apr 22	22.1–22.2 22.3 22.4–22.5	Electric Flux Gauss' Law Applying Gauss' Law	Field Superposition
3	F	Apr 23	23.1–23.2 23.2–23.3 23.4–23.5	Electric Potential $V$ by integration Equipotentials, $\vec{\nabla}$	
4	M	Apr 26	24.1–24.3 24.3–24.4 24.4–24.6	Capacitance Stored energy & dielectrics Dielectrics	Equipotentials
5	T	Apr 27	21 – 24	Catch up, review <b>Test 1</b>	
6	R	Apr 29	25.1–25.3 25.4–25.5 25.6	Current, Current Density, $\Omega$ Simple Circuit, power Metalic conduction	Digital Oscilloscope
7	F	Apr 30	26.1–26.3 26.3–26.5 26.4–26.5	Kirchhoff's Rules Electrical Measurements $RC$ Circuits	
8	M	May 3	27.1–27.3 27.3–27.6 27.7–27.9	Magnetic Field $I d\vec{\ell} \times \vec{B}$ loops: force & torque	DC Circuits
9	T	May 4	28.1–28.4 28.5–28.7 28.5–28.8	Biot-Savart Ampere's Law More $\vec{B}$	
10	R	May 6	29.1–29.4 29.5–29.8 29.5–29.8	Induction emf Maxwell	Electron $e/m$
11	F	May 7	25–29	Catch up, review <b>Test 2</b>	
12	M	May 10	30.1–30.3 30.2–30.4 30.4–30.6	Inductors Magnetic Energy & $RL$ circuit $LC$ . $LRC$ circuits	Helmholtz Coils
13	T	May 11	31.1–31.3 31.4–31.6 31.4–31.6	Phasors, reactance: $X_L, X_C$ $LRC$ circuit Resonance, Transformer	
14	R	May 13	32.1–32.3 32.4–32.5	Electromagnetic Waves EM energy & momentum	AC Circuits
15	F	May 14	all	<b>Final Exam</b>	