Class		Date	Text	Topics	Labs
1	M	Mar 22	21.1–21.3 21.4–21.6 21.5–21.7	Electric Charges, Coulomb Electric Fields $\vec{\mathbf{E}}$ by integration, dipoles	
2	T	Mar 23	22.1–22.2 22.3 22.4–22.5	Electric Flux Gauss' Law Applying Gauss' Law	
3	R	Mar 25	23.1–23.2 23.2–23.3 23.4–23.5	Electric Potential V by integration Equipotentials, $\vec{\boldsymbol{\nabla}}$	Equipotentials
4	F	Mar 26	24.1–24.3 24.3–24.4 24.4–24.6	Capacitance Stored energy & dielectrics Dielectrics	
5	M	Mar 29	21 – 24	Catch up, review **Test 1**	Digital Oscilloscope
6	T	Mar 30	25.1–25.3 25.4–25.5 25.6	Current, Current Density, Ω Simple Circuit, power Metalic conduction	
7	R	Apr 1	26.1–26.3 26.3–26.5 26.4–26.5	Kirchhoff's Rules Electrical Measurements RC Circuits	Ohmic & Non-Ohmic
8	M	Apr 5	27.1–27.3 27.3–27.6 27.7–27.9	Magnetic Field $Id\vec{\boldsymbol{\ell}} \times \vec{\mathbf{B}}$ loops: force & torque	DC Circuits
9	T	Apr 6	28.1–28.4 28.5–28.7 28.5–28.8	Biot-Savart Ampere's Law More $\vec{\mathbf{B}}$	
10	R	Apr 8	29.1–29.4 29.5–29.8 29.5–29.8	Induction emf Maxwell	Electron e/m
11	F	Apr 9	26–29	Catch up, review **Test 2**	
12	M	Apr 12	30.1–30.3 30.2–30.4 30.4–30.6	Inductors Magnetic Energy & RL circuit LC. LRC circuits	Helmholtz Coils
13	T	Apr 13	31.1–31.3 31.4–31.6 31.4–31.6	Phasors, reactance: X_L, X_C LRC circuit Resonance, Transformer	
14	R	Apr 15	32.1–32.3 32.4–32.5	Electromagnetic Waves EM energy & momentum	AC Circuits
15	F	Apr 16	all	**Final Exam**	