Fall ’12 PHY 122
Workshop Module #13

Coulombs Law Point Sources: Ch21P16, CH21P36
Coulombs Law Distributions: Ch21P50 (Use this example to demonstrate how to go between force, electric field and electrostatic potential.)
Biot-Savart's Law Distributions: Ch28P34, Ch28P40
Magnetic field due to a wire: Ch28P22, Ch28P41, (doing Ch28P42 will be a good segue to Faraday's Law)
Particles in a Magnetic field: Ch27P16, Ch27P28

Gauss Law: Ch23P19&P20, Ch22P35
Ampere's Law: Ch28P31
Faraday's Law: Ch29P12, Ch29P16

Capacitors: Ch24P18, Ch24P29
Kirchhoff's Law: Do the same thing as Ch24P29 with resistors in place of capacitors. Then do it with some resistors and capacitors. Ch26P51
AC/LRC Circuits: CH20P93, Ch29P100.