

PHGN200 Topics

1. Electrostatics
 - A. Coulomb's Law for Discrete Charge Distributions
 - B. Coulomb's Law for Continuous Charge Distributions
 - C. Gauss' Law
 - D. Electric Potential
2. Circuits
 - A. Current and Resistance
 - B. Capacitance
 - C. RC Circuits
 - D. AC Circuits
3. Magnetism
 - A. Magnetic Field Integrations and the Biot-Savart Law
 - B. Magnetic Fields and Ampere's Law
 - C. Magnetic Force
 - D. Faraday's Law
 - E. Inductance and RL Circuits
4. Electromagnetic Waves
 - A. Electromagnetic Waves
 - B. Antennae
 - C. Geometric Optics
 - D. Physical Optics