

# EE 211 : Basic Circuit Analysis I

**Credits:** 4

**Class Hours:** 3 lecture and 3 lab

**Prerequisites:** Concurrent enrollment in MATH 243 or qualified for MATH 244.

**Description:** This course studies linear passive circuits, time domain analysis, transient and steady-state responses, phasors, impedance and admittance; power and energy, frequency responses, and resonance.

**Semester Offered:** Fall, Spring

**Course Student Learning Outcomes (CSLOs):**

1. Design and test R, RC, and op amp circuits.
2. Analyze and solve RLC and basic op amp circuits.
3. Conduct experiments to test and verify theory.