

# ENGR 2180 : Engineering Circuit Analysis

Analysis of circuits using resistors, capacitors, inductors, independent and dependent energy sources, and operational amplifiers. Topics include Kirchhoff's Laws, voltage and current division, nodal and mesh analysis, source transformations, superposition, linearity, Thevenin's and Norton's Theorems, responses of RL, RC, and RLC circuits and sinusoidal analysis using phasors. Prerequisite: PHYS 2830. Must be taken along with MATH 2620

**Credits** 3.0

**Semester Offered**

Spring