

# ETRO 105 : Circuit Analysis I

Develops step-by-step problem solving methods and hands-on laboratory applications. Utilizes electronics measurement instrumentation and software for data analysis. Studies fundamental topics including resistance, networks with DC voltage sources, and circuit analysis. Demonstrates Ohm's law, Kirchoff's laws, Thevenin's theorem, and maximum power theorems.

**Credits** 4

**Lecture/Lab Credits** 120

**Teaching Equivalent** 6.67

**Prerequisites**

ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at MATH 103 or higher, or consent.