



**Course Name: ENR-236 Engineering Circuit Analysis Laboratory I**

Date Updated: 2/2022

Credit Hours/week: Lab 1 hrs./wk. – 1 cr.

BEGINNING: SPRING 2022

Catalog Description: This laboratory course includes experiments in DC, AC and transients to accompany the course work in Engineering Circuit Analysis 1.

Corequisite: ENR-235

Text: Vallely, Engineering Circuit Analysis I Lab Manual, CPS

Supplementary Material: Specialized equipment, supplies, facilities, for classes limited by enrollment or restricted by accreditation and/or equipment limitations:

Syllabus:

Topics
Resistance, Voltage and Current Measurements
DC Series Circuits
Introduction to Spice
Oscilloscope
RC Transients
RC, RL and RLC Series Circuits
Mesh and Nodal Analysis
Thevenin/Norton Theorems

*Format for Offering this Course: Traditional*

Students are expected to adhere to the policies of the County College of Morris. These can be accessed at: (insert link here)

## **Statement of Expected Course LEARNING OUTCOMES**

- None Listed

### **Statement of Relation to Curriculum(s)**

Technical elective in the Engineering Science curriculum intended for students majoring in Electrical Engineering