



Electrical Systems I

Course Number	EET 200
Course Name	Electrical Systems I
Credit Value (Breakdown of theory and lab credits)	1.5T+0L
Catalog Course Description	Study basic DC electrical elements and sources; resistor networks, network theorems, capacitance, inductance, RC and RL circuits. <i>Prerequisite:</i> ENGR 217L. <i>Co-requisite:</i> 200L (1.5, 1.5T+0L)
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Knowledge of basic concepts of gain, impedance, phase, bandwidth and their mathematical representations. 2. Graphical representation (Fritzing) and physical construction of fundamental amplifier, oscillator and regulator circuits. 3. Measurement of circuit response on NI ELVIS boards via NI virtual instruments.
College-Wide Student Learning Outcomes	Critical Thought

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