NORTHERN NEW MEXICO COLLEGE

Electrical Systems I Lab

Course Number **Course Name**	EET 200L Electrical Systems I Lab
Credit Value (Breakdown of theory and lab credits)	0T+0.5L
Catalog Course Description	Students will perform hands-on experiments related to DC circuits and digital circuits. This will include voltage, current, resistance measurement. First order and second order circuits will be analyzed as well as Thevenin's equivalency. *Prerequisite*: ENGR 217L. *Co-requisite*: EET 200. (0.5, 0T+0.5L)
Student Learning Outcomes/Objectives /Competencies of the Course	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