NORTHERN NEW MEXICO COLLEGE

ELEC 2260L SYLLABUS

Course Number Course Name	ELEC 2260L Motor Controls Lab
Credit Value (Breakdown of theory and lab credits)	2 (2 Lab)
Catalog Course Description	Students will learn apply different techniques to control motors. Both DC and AC motors will be cover. Topics such as magnetic control, manual/automatic pilot devices, control transformers, relays, timers, and starters will be covered. Co-requisites: ELEC 2260; Pre-requisites: ELEC 1150
Student Learning Outcomes/Objectives /Competencies of the Course	Outcomes • Identify parts of a motor to its leads • Identify types of three-phase motors • Identify types of single-phase motors Topics • Magnetism and induction • Motors nameplates • AC alternators • Three-phase motors • Squirrel-cage motors • Wound-rotor motors • Single-phase motors • Motor protection • DC motors and generators • Starting • Motor branch circuits • Motor branch circuits protection • Motor overload protection • Sizing motor disconnect
College-Wide Student Learning Outcomes	*College Wide Student Learning Outcomes:* Communication Critical Thought