



Electrical Systems II Lab

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| Course Number | EET 300L |
| Course Name | Electrical Systems II Lab |
| Credit Value (Breakdown of theory and lab credits) | 1, 0T+1L |
| Catalog Course Description | Students will perform hands-on experiments related to AC circuits and electronic circuits. This will include sine wave and power factor measurement. Implementation of three-phase circuits and transformers. The labs will also expose the student to electronics including rectifier amplifier and applications of thyristors, TRIACs and OPAMPs. <i>Prerequisites:</i> EET 200/L, <i>Co-requisite:</i> EET 300. (1 0T+1L) |
| Student Learning Outcomes/Objectives /Competencies of the Course | <ol style="list-style-type: none"> 1. Sine wave measurements. 2. Power factor measurements. 3. Three-phase circuits. 4. Experimentation with transformers. 5. Rectifier circuit. 6. Inverting amplifiers. 7. Experimentation with Thyristors and TRIACS. 8. Designing opamp circuits. |
| College-Wide Student Learning Outcomes | Critical Thought |

NORTHERN NEW MEXICO COLLEGE

