



ELEC 1141 SYLLABUS

Course Number Course Name	ELEC 1141 Electrical Code I
Credit Value (Breakdown of theory and lab credits)	2 (2 Theory)
Catalog Course Description	Students will learn about National Electrical Code (NEC) requirements and use of NEC specifications in wiring devices. Pre-requisites: None
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Outcomes</p> <ul style="list-style-type: none"> • Explain the purpose and history of NEC and layout • Interpret and apply general requirements of the NEC • Interpret and apply wiring and protection requirements <p>Topics</p> <ul style="list-style-type: none"> • An introduction to National Electrical Code (NEC) • Interpreting the language of the NEC • Understanding and applying - Article 110 • General building wire properties and the NEC • Understanding conductor insulation and NEC specifications • Introduction to wiring devices • General requirements related to installing wiring and industrial wiring devices • Specific receptacle installation requirements • Specific switch installation requirements.
College-Wide Student Learning Outcomes	<i>College Wide Student Learning Outcomes:</i> Communication Critical Thought