**ELEC 1141 SYLLABUS**

<table>
<thead>
<tr>
<th>Course Number Course Name</th>
<th>ELEC 1141 Electrical Code I</th>
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</thead>
<tbody>
<tr>
<td>Credit Value (Breakdown of theory and lab credits)</td>
<td>2 (2 Theory)</td>
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<tr>
<td>Catalog Course Description</td>
<td>Students will learn about National Electrical Code (NEC) requirements and use of NEC specifications in wiring devices. Pre-requisites: None</td>
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| Student Learning Outcomes/Objectives /Competencies of the Course | Outcomes  
• Explain the purpose and history of NEC and layout  
• Interpret and apply general requirements of the NEC  
• Interpret and apply wiring and protection requirements  
Topics  
• 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 | **College Wide Student Learning Outcomes:**  
Communication  
Critical Thought |