



Course Assessment Report - 4 Column

Great Basin College

Courses (CTE) - Electrical Systems Technology

Course Outcomes 1 and ctu.unitid = 700	Means of Assessment & Criteria / Tasks	Results	Action & Follow-Up
<p>ELM 128 - Transfrmrs & Ind Lighting - Types of Transformers and different phases - Identify the different types of Transformers including single phase and three phase. Identification of the different phases per acceptable NEC standards.</p> <p>Next Assessment: 2019-2020</p> <p>Start Date: 08/03/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Hands-on student exercise hooking up the transformers and then energizing them.</p> <p>Assessment Measure Category: Assignment - Lab</p> <p>Criterion: Check wiring to insure it is done to instructor standards and that the transformer operates at the correct voltage and current.</p>	<p>08/03/2015 - Students will gain field experience with the variety of transformers encountered in the electrical trade.</p> <p>Yes. The criteria for this assessment was successfully demonstrated by the students</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	<p>08/03/2015 - Introduce the students to larger and more complex transformers used in the industry. Stress safety first at all times.</p> <hr/>
<p>ELM 128 - Transfrmrs & Ind Lighting - Calculate transformer ratios - Calculate transformer ratios and excitation current with correct polarity indications.</p> <p>Next Assessment: 2019-2020</p> <p>Start Date: 08/03/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Classroom discussion and student participation with on board transformer calculations. Assign students test on transformer ratio calculations as well as homework assignments</p> <p>Assessment Measure Category: Discussion</p> <p>Criterion: Successful???</p>	<p>08/03/2015 - Test scores indicate student engagement with the material presented. Homework assignments completed on time are additional indicators of positive result.</p> <p>Yes . Positive mathematical results indicate the criteria was met.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	<p>08/03/2015 - Continue to work with transformer ratios with different classes of transformers. Continue the math to include Primary/Secondary ratios on a wide selection of devices.</p> <hr/>
<p>ELM 128 - Transfrmrs & Ind Lighting - Light sources and characteristics - Explain the different type of light sources and characteristics along with advantages and disadvantages of each type Include this discussion to cover calculations for lighting load requirements. Use of blueprints as they apply to lighting applications.</p> <p>Next Assessment: 2019-2020</p> <p>Start Date: 08/03/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Classroom discussion and tests/assignments on different types of lighting systems. Have students demonstrate knowledge of blueprints as pertains to lighting systems.</p> <p>Assessment Measure Category: Discussion</p> <p>Criterion: Demonstrated student proficiency of lighting system load calculations</p>	<p>08/03/2015 - Positive results are determined by test scores, student participation and involvement in the subject matter.</p> <p>Criteria deemed successful when students demonstrate good scores, active classroom involvement and a basic understanding of blueprint reading as pertains to lighting systems.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	<p>08/03/2015 - Continue to introduce larger and more complex light to include hazardous lighting using explosion proof fixtures, High-bay fixtures for industrial applications and maintenance techniques used on various systems.</p> <hr/>