



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 135 - Natl Elec Code 430 - Calculate wire size for motor feeder, tap and branch circuit conductors. - Calculate wire size for motor feeder, tap and branch circuit conductors.</p> <p>Next Assessment: 2016-2017</p> <p>Start Date: 06/18/2014</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam consisting of problems related to branch circuit and feeder calculations. Allowed students to use ElectrriCalc app calculator.</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: Completion with 85% accuracy.</p>	<p>08/03/2015 - Student average was above 95%. Positive feedback on Electrical Calc calculator</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	<p>08/03/2015 - Continue to use ElectiCalc app calculator. Include as a course requirement for the class.</p>
<p>ELM 135 - Natl Elec Code 430 - Short circuit ground fault - Determine the rating of short circuit ground fault and overload protection devices required in a motor circuit.</p> <p>Next Assessment: 2016-2017</p> <p>Start Date: 06/18/2014</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam consisting of problems related to the rating of short-circuit ground fault and overload protection devices required in a motor circuit. Allowed students to use ElectrriCalc app calculator.</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: Completion with 85% accuracy.</p>	<p>08/03/2015 - Student average was above 92%. Positive feedback on Electrical Calc calculator</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	<p>08/03/2015 - Continue to use ElectiCalc app calculator. Include as a course requirement for the class.</p>
<p>ELM 135 - Natl Elec Code 430 - Motor nameplate data - Identify and interpret motor nameplate data.</p> <p>Next Assessment: 2016-2017</p> <p>Start Date: 06/18/2014</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam in which students identify motor nameplate data.</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 80% + accuracy</p>	<p>08/03/2015 - 85% of students identified nameplate data correctly.</p> <p>Criterion Met: Yes</p> <p>Reporting Period: 2014-2015</p>	
<p>ELM 135 - Natl Elec Code 430 - Motor starter size - Determine the motor starter size for motors</p> <p>Next Assessment: 2019-2020</p> <p>Start Date: 08/03/2015</p> <p>Course Outcome Status: Active</p>	<p>Assessment Measure: Final exam required students to properly size motor starters.</p> <p>Assessment Measure Category: Exam</p> <p>Criterion: 80% + accuracy</p>	<p>08/03/2015 - 70% of the students sized motor starter sizes correctly</p> <p>Criterion Met: No</p> <p>Reporting Period: 2014-2015</p>	<p>08/03/2015 - Spend more time reviewing manufactures data for correctly sizing starters.</p>
<p>ELM 135 - Natl Elec Code 430 - Lock-Rotor motor - Understand Lock-Rotor motor nameplate data</p>	<p>Assessment Measure: Final exam questions referencing Lock-Rotor nameplate data.</p> <p>Assessment Measure Category:</p>	<p>08/03/2015 - 56% of students answered correctly</p> <p>Criterion Met:</p>	<p>08/03/2015 - Spend more time teaching LR data & collaborate with motors instructor to enhance student</p>

Course Outcomes 1 and ctu.unitid = 700	Means of Assessment & Criteria / Tasks	Results	Action & Follow-Up
Next Assessment: 2019-2020 Start Date: 08/03/2015 Course Outcome Status: Active	Exam Criterion: 70% + accuracy	No Reporting Period: 2014-2015	understanding. _____
ELM 135 - Natl Elec Code 430 - Motor control circuit conductors and protective devices - Calculate the size of motor control circuit conductors and protective devices. Next Assessment: 2019-2020 Start Date: 08/03/2015 Course Outcome Status: Active	Assessment Measure: Final exam referencing the sizing of motor control circuit conductors and protective devices. Assessment Measure Category: Exam Criterion: 80% + accuracy	08/03/2015 - 90% of the students were able to calculate the size of motor control circuit conductors and protective devices. Criterion Met: Yes Reporting Period: 2014-2015	