

Assessment: Course Four Column



Courses (CTE) - Electrical Systems Technology

ELM 143:Wiring Techniques

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Single phase and three phase electrical panel - Describe How to make up a single phase and three phase electrical panel.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2021-2022</p> <p>Start Date: 10/10/2017</p>	<p>Assignment - Lab - A portable power panel which can be moved to single phase and three phase outputs at various locations.</p> <p>Criterion: Observe the students working on this panel and energizing it to a load(s):</p>	<p>Reporting Period: 2016-2017</p> <p>Criterion Met: Yes</p> <p>The students performed very well for this exercise using single phase and 3phase, 480 V power. All students work Arc Flash protective clothing during this exercise.</p> <p>Used a heater for the 120V, single phase load and powered it up. Measured 3 Ph, 480VAC at shop breaker. (10/10/2017)</p>	<p>Action: I would like to have more three phase test equipment for the students to do hands on work as this is the most common voltage they will encounter in industrial/mining situations and one of the most dangerous. (10/10/2017)</p>
<p>Safety Procedures associated with electrical installations - Safety Procedures associated with electrical installations.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2021-2022</p> <p>Start Date: 10/10/2017</p>	<p>Assignment - Lab - Each student was assigned an electrical safety item and required to do a classroom presentation and/or demonstration for the class. These items covered a variety of subjects to include first aid, Voltage testing, ,ground-fault monitors, portable load centers, trailing cables, NEC safety and many others.</p> <p>Criterion: Power Point presentations, followed by group discussions including question and answer session. Many safety items were done by live demonstration such as pole climbing, cad welding, Arc Flash protection, conductor terminations, Variable Frequency</p>	<p>Reporting Period: 2016-2017</p> <p>Criterion Met: Yes</p> <p>Results: All students presented their assigned subject in a professional and researched timely manner.</p> <p>Yes. All assignments signed off on a competency completion form for each student. (10/10/2017)</p>	

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Drive apps., electrical hole knockout sets, etc.