**Course Assessment Plan**

**Program: Electrical Automation Technology Course Title: Introduce to Automation and Control Circuits**

**Instructor: Matthew Leigh**

**Semester: Fall 2018 Total # Scheduled Sessions:80 Days**

**Action Plan implemented from \_\_\_\_\_\_\_\_\_ Semester: None Prior**

**Step 1: How will the outcome(s) be assessed to determine achievement?**

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| **Course Outcome** | **Methods of Assessment** | |
| **Assessment Process** | **Level of Achievement** |
| **CLO #5:** Construct the wiring on various types of transformers, including buck-boost, single, and three phase transformers, for different voltage and current systems. | **What:** Hands-On test. The transformer unit hands on test shall complete our unit on Transformers. This hands-on test shall be used for this outcome assessment.  **How:** The students shall be tested on their knowledge in hands on form using a shop job to construct several three-phase configurations. The student shall receive a grade based on how they performed on this test.  **Who:** Matthew Leigh  **When:** Wednesday December 19th, 2018  **Where: Ranken’s Wentzville location, Taylor Building, room T-105** | **Criteria:**  The hands-on test shall be graded based on instructor evaluation.  **Success Level:**  Students shall exhibit their knowledge on this hands-on test by achieving a grade of 75% or higher.  **Expected Achievement**: 85% student success level  **Students Included:** All students enrolled in the course |

**Step 2: What were the results, what do they mean, and what is the plan to improve, if needed?**

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| **Course Outcome** | **Assessment Results** | |
| **Analysis** | **Plan for Improvement** |
| **CLO # 5:** Construct the wiring on various types of transformers, including buck-boost, single, and three phase transformers, for different voltage and current systems | **Date of assessment:** State date or if the ONE assessment took multiple days to complete, give date range.  **Total Number of Students:** Total # students assessed  **Number of students Meeting Success Level:** Number students meeting defined success level for this assessment.  **Number of students Not Meeting Success Level:** Number of student not meeting defined success level for this assessment.  **Key Findings:** What did the results indicate? Was there a trend? What were the weak areas? Note exact questions or criteria where trends were found.  **Conclusions:** What is currently in place that could be the cause for weak areas? What instructional method was used that may need to be changed?  **End Result:**  *(Did 85% meet expected achievement as described in Step 1?)*  Achieved  Not Achieved  Inconclusive | **Effect on Student Learning:** Describe the positive or negative effect the previous action plan had on student learning.  **Actions Taken**: In detail, describe the curriculum changes, instructional changes, equipment changes, or assessment changes, put in place (for budget items, note future date of purchase) to improve learning for this outcome.  **Re-assessment Date:** Should be noted as the next course offering, ex Fall 2018. |