Assessment, Improvement, Measurement (AIM) Report: 09/30/2014

Plan Year: 2013-2014
Unit: Industrial Maintenance
Coordinator(s): Jarvis Long, Karman Wheeler, William Cheser
Reviewer: Kevin Dunn

Objective or Outcome	Measure(s)					
	Measure Text	**Achievement Target**	**Results**	**Achievement Target Result**	**Use of Findings/Next Steps**	**Assess Month**
SLO 1 - Students will be able to troubleshoot and measure 3-phase power circuits.	Students success will be evaluated by using components of the end of semester lab final related to troubleshooting and measuring three-phase power circuits (examining the students logical approach).	85% of students will successfully complete this portion of the lab final.	82.6% of Motor Controls I students were able to satisfactorily meet the objective.	Partially Met	We will continue to emphasize three-phase circuitry in all motor controls and rotating machinery classes, since mastery of this subject is absolutely critical to success in industry. We will rollover this objective to see if further improvement can be made.	May
SLO 2 - Students will be able to perform precision alignment on mechanical drive components using dial indicators and LASER equipment.	Faculty observations on precision alignment of students using a rubric.	85% of students will perform precision alignment on mechanical drive components using dial indicators and LASER equipment through faculty observation (rubric).	80% of students tested were able to successfully perform dial indicator alignment. LASER alignment methods were taught, but not tested due to equipment problems.	Partially Met	We will put more emphasis on equipment alignment in our Maintaining Industrial Equipment classes.	May
SLO 3 - Students will be able to install, maintain, and troubleshoot fluid power systems with emphasis on pressure release valves.	Observation skills final - One station project: Design, install, successful operation of fluid power system. Rubric will be used for the assessment of the three components.	Part 1 - Written Exam related to designing and building fluid power systems. All of the students will score at least 80% on questions related to designing and building the fluid power system. Part 2 - 50% of students will be able to design & build a functioning system on their first attempt. Part 3 -85% of students will be able to troubleshoot their systems and make them work.	88.9% of students tested successfully met the requirement of Part 1 of this objective. Part 2 was not evaluated. 86% of students tested successfully completed Part 3 of this objective.	Met	We will continue to emphasize the ability to "design and build" with particular emphasis on troubleshooting. This objective will be rolled over, but revised to make scoring easier.	May