

Assessment, Improvement, Measurement (AIM) Report: 09/10/2014**Plan Year:** 2013-2014**Unit:** Air Conditioning Technology**Coordinator(s):** Edwin Taylor, Karman Wheeler**Reviewer:** Kevin Dunn

Objective or Outcome	Measure(s)				
	Measure Text	Achievement Target	Results	Achievement Target Result	Use of Findings/Next Steps
SLO 2 - Graduates will be able to service HVAC equipment (with emphasis on heat pump schematics and troubleshooting).	Diagnose and repair selected faults on heat pump simulator	Online assessment (ESCO) with improved scores in schematics and troubleshooting. 90% of students will obtain a 75 or higher on a simulator.	86% of students met the goal, 7% succeeded with a score above 70, and one student or 7% was not successful	Partially Met	the system is working, the results are skewed due to the performance of two students. As noted before, attendance/participation is necessary to be successful in developing the necessary skills in reading schematics and troubleshooting. This outcome has been assessed for the last 3 years and faculty will continue to focus on identifying students having problems with schematics while emphasizing the importance of participation. It will continue to be monitored, however a new outcome will be identified for assessment in 2014 - 2015.
SLO 3 - Student will be able to calculate heat load reduction and duct design (constant std. pressure method) that includes green energy.	Heat load calculation and duct design assessment project with 90% of students received 70/100 points on evaluation rubric. 25 points - Equipment List 25 points - Room to Room Load Heat 25 points - Block load 25 points - Duck Design	Heat load calculation Project - 90% of the students will score 75 points or higher.	Of those students maintaining appropriate attendance 91% scored 75 points or higher.		Students meeting appropriate attendance standards have met this outcome for the last two assessment cycles. A new outcome will be identified for assessment in 2014-2015.
SLO 1 Graduates will be able to construct various types of electrical circuits.	Evaluation of Project: Air Conditioning and Heating System Board Mock Up	90% of students will build a Board properly functioning on first attempt.	Measure was successful with all students showing progress. One student was unable to make the system	Partially Met	continue to stress (increased emphasis in lab, lecture, and computer simulation) electrical knowledge as a primary and

			operational on first attempt.	necessary function of this trade. In 2014-2015 faculty will focus on the utilization of volt/ohm and amp meters to diagnose electrical components with 90% of students scoring 69% or higher on ESCO.
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