

**Assessment, Improvement, Measurement (AIM) Report: 10/04/2013****Plan Year:** 2012-2013**Unit:** Computerized Mfg. & Machining - Danville**Coordinator(s):** Russell Chaney, Karman Wheeler, William Franklin, Mark Welch**Reviewer:** William Franklin

Objective or Outcome	Measure(s)				
	Measure Text	Achievement Target	Results	Achievement Target Result	Use of Findings/Next Steps
SLO 1 - Students will be able to produce an exemplary product using a variety of machine tools with emphasis on their parts QC and tolerance specifications.	Evaluation using a rubric to show	All students will score at least 90% based on functionality, usability, and finish of the final product.	The students produced an double direction edge finder which, finish was within the 90% range. Some did not finish the hole which cannot be used until it is completed. So over all the percentage of final product was 80%.	Partially Met	The results means that we will need to start the project a little earlier in the semester, this allows for potential mistakes to be reviewed and replaced with correct components.
SLO 2 - Students will identify and use precision measuring instruments and tools with emphasis on completion rate.	Evaluation Form - Students will use CMM And other meteorology equipment, submitting a spec sheet listing sizes of their machine parts. Faculty will measure parts on CMM machine comparing their assessment with students assessment.	All students will score at least a 92% on the evaluation form.	Students where able to measure a given part and setup tolerances using the cmm and the blueprint with tolerances provided and inspect part within 95 percent of required specification.	Met	Finding suggest that we use the CMM to re assure quality and student understanding of print requirements. Additional lab time has helped improve student success. This outcome has been assessed in two cycles, therefore a new outcome will be assessed in 2013/2014.
SLO 3 - Students will interpret machine tool working drawings, sketches, and part prints.	Students will be provided orthographic prints and find dimensions through questions and answers.	All students will have an average score 85% or higher on the assessment	Students were given a variety of prints over a semester and the course average was 83.3333.	Partially Met	The results noted that it was below only by a percent or two, I believe the percentage actually was met. The reason it was low, we had some stop attending class and didn't withdraw with made low scores for them and brought the average down. Improvements will be made to the results by using only valid statistics of completers

					of the courses in the fall and spring semesters. To improve student success we will include youtube and online videos as well as text and handouts in BRX 112 course.
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