

Assessment, Improvement, Measurement (AIM) Report: 04/03/2013**Plan Year:** 2011-2012**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.	Students completed the product (indicator Axle support) with 100 percent of student producing usable components. Students were able to complete a variety of machined parts using machine tools and industry prints.	Met	Though all students were able to complete their projects more work needs to be done with regard of holding tolerances and making their parts more presentable.
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 95% on the evaluation form.	All students (100%) were able to use CMM to measure and complete a check sheet to generate a report.	Met	Additional lab time and open labs will be used to enhance and reinforce concepts with reassessment (to validate the small sample size) in 2012-2013.
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 score 95% or higher on the assessment	Students scored 83% on the assessment with some students who started but were not able to complete, pulling down the overall percentage.	Partially Met	Continue supplying and using industry prints, with increased emphasis on interpreting drawings, sketches and part prints. Additional attention needs to be made on machining skills and dimensions in the lab with reassessment in 2012-2013.