

Assessment, Improvement, Measurement (AIM) Report: 10/08/2013

Plan Year: 2012-2013

Unit: Welding

Coordinator(s): Karman Wheeler, Bobby Coffey, William Franklin

Reviewer: William Franklin

Objective or Outcome	Measure(s)				
	Measure Text	Achievement Target	Results	Achievement Target Result	Use of Findings/Next Steps
SLO 1 - Graduates will demonstrate problem solving skills in repairing weldable materials.	Lab rubric designed to assess problem solving skills related to repairing weldable materials.	80% of the students will score 3 or higher on the 5 point scale	85% of students scored at least a 3 or higher on the assessment	Met	Students will be provided additional lab time to increase their problem solving skills relating to repairing weldable materials
SLO 2 - Student will be able to apply knowledge of forming, fitting, and welding processes with emphasis on math calculations and troubleshooting welding processes.	Capstone Project to apply knowledge of forming, fitting and welding processes, using AWS Structure Standard evaluation rubric (scale 1-10)	All students scoring at least 70% (7.0 on rubric scale).	All students scored well over 80% on the capstone project for the end of course assessment.	Met	There will be additional projects for students to apply their knowledge and skills acquired from blueprint courses. This will allow them to further enhance their math and troubleshooting skills while using various welding processes.
SLO 3 - Graduates will be able to use blueprint reading skills required in the welding profession.	Fabrication project - Students will use their skills learned to read blueprints as they relate to the fabrication project. This is the last assignment for the fabrication project.	Less than 20% of the students will receive a "not complete" or "needs improvement" on the last assignment of the fabrication project.	80% of students applied their blueprint skills in relation to fabrication to successfully pass the final fabrication project	Met	Based upon feedback from students. Additional lab time will be provided for students to review and revise their blueprints in order to increase their skills relating to fabricating the final project.