

Assessment, Improvement, Measurement (AIM) Report: 04/03/2013**Plan Year:** 2011-2012**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 success in joining, surfacing, and repairing structures made from weldable materials. | Comprehensive AWS Structural Steel Code exam to be given with 95% of graduates expected to obtain at least an 85% on the related components of the exam. | 95% of the students will score an 85% or above on the related components of the exam. | All of the students scored well (over 85%) on the related components of this exam. | Met | We need to continue to provide additional lab time as review along with additional exposure to problem solving on repairing weldable materials. |
| SLO 2 - Graduates will be able to use blueprint reading skills required in the welding profession. | Fabrication project - Students will use their project to read blue prints as they relate to the fabrication project. AWS Student 1.1. Standard Evaluation with a 1-10 rubric scale with all students will score at least 75% on the rubric. | AWS Student 1.1 Standard Evaluation (1-10 rubric) on fabrication project. Students will score at least a 75% on the rubric. | 85% of the students scored at least 7.5 (75%) on the rubric. | Met | Our focus should still be on improving blueprint reading skills with more blue print reading problem solving as it relates to the fabrication project. |
| SLO 3 - Student will be able to apply knowledge of forming, fitting, and 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 of the students scored 9 or higher on the AWS Structure Standard evaluation rubric. | Met | Areas that we should focus on in 2012-2013 include math calculations and troubleshooting welding processes. Additional classroom and lab time will be used to focus on troubleshooting the welding processes along with additional scenarios to incorporate/reinforce math calculations. |