Assessment: Course Four Column

FALL 2015

El Camino: Course SLOs (IND) - Welding

ECC: WELD 23 :Advanced Arc Welding Specialty Lab

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 3G and 4G Positions - Welding students will produce quality weld in the 3G And 4G positions **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 11/29/2013	**Performance -** students will be assessed with visual exams of their root and cover passes **Standard and Target for Success:** I estimate the 70% of the class should be able to do this at Mastery Level 3. Mastery Level 3: Students will pass their visual inspection and destructive testing exam on first try Partial Mastery Level 2: Students will need additional test plates to pass exam Non-Mastery Level 3: Students required a major amount of practice before passing this exam	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met Of the 20 students taking the exam, 13 students were able to do this at Mastery Level 3, 4 students (roughly 20%) were able to do this at Mastery Level 2 taking a greater amount of time and utilizing many more sets of test plates. The remaining 3 students had difficulty with their tie-ins and arc blow, not attaining a quality level (02/11/2017) **Faculty Assessment Leader:** Renee Newell	**Action:** to help students improve their 3G/4G performance the weld department needs to increase it's expense budget for material (02/11/2017) **Action Category:** Program/College Support

ECC: WELD 40C:Advanced Gas Tungsten Arc Welding (GTAW)

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 - Apply the proper safety procedures and precautions required when working with GTAW. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 08/19/2014	**Exam/Test/Quiz -** Students will take a multiple choice written safety examination after an introduction and extensive review of personal protective equipment, shop safety dangers and safe shop practices, proper use of hand tools, power tools, shop equipment and safety requirements for the course and shop lab exercises/work **Standard and Target for Success:** Safety exam is given first day of class. It is reinforced throughout semester and given until passed at 100%. All student met mastery level	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met It took 30% of the class multiple times to finally pass at 100%. Though reinforcement on safety is a daily process, 100% compliance is difficult. I will try more visual aids to strengthen student memory (02/11/2016) **Faculty Assessment Leader:** Renee Newell **Faculty Contributing to Assessment:** Jonathan Benvenete	**Action:** more visual aids to strengthen student memory (02/11/2017) **Action Category:** Teaching Strategies

ECC: WELD 45 :Structural Fabrication

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #3 Measuring Tools - Students will be able to correctly use measuring tools necessary for fabrication projects. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 11/29/2013	**Performance -** Using scales, framers squares, tape measures and micrometers, students will successfully cut specified dimension **Standard and Target for Success:** When presented with print, 95% of the students will be able to accurately cut it to within allowable tolerances to the specified dimension	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Not Met Of the 20 students in the course, 17 followed correct material-handling procedures, and 90% were successful in cutting the base metal to the specified dimension within allowable tolerances. (02/11/2016) **Faculty Assessment Leader:** Renee Newell	**Action:** Future students would benefit from a more current digital devices and math review. It would benefit students if they had additional lab time available to apply and perfect the skills learned. (02/11/2017) **Action Category:** Curriculum Changes