Assessment: Course Four Column

Courses (CTE) - Welding

WELD 235:Welding for the Maintenance Technician II

Course Outcomes	Assessment Measures	Results	Actions
Satisfactory welds in the flat and horizontal positions using FCAW. - Satisfactory welds in the flat and horizontal positions using FCAW. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/23/2017	**Demonstrate -** The students will demonstrate his or her ability to produce satisfactory welds, set forth by the instructor. These welds will be judged for soundness and quality as set forth by the American Welding Society's D1.1 Structural Welding Code. **Criterion:** 90% of the students in the WELD 235 course will achieve 75% or better grade on flat and horizontal laboratory assignments that are judged in accordance to the American Welding Society's D1.1 Structural Welding Code.	**Reporting Period:** 2016-2017 **Criterion Met:** Yes 95 95 100 96 98 90 92 96 94 80 96 85 90 92 0 0 0 0 94 98 96 94 80 96 90 98 92 92 96 94 90 92 94 94 94 96 90 90 90 92 94 94 85 80 90 92 94 0 90 94 92 92 92 90 96 94 94 90 94 94 90 94 90 96 96 80 90 95 96 92 96 92 (10/23/2017)	**Action:** The students did very well welding with the FCAW process in the flat and horizontal positions. The biggest issue is getting students to make up time that was missed due to their absence. (10/23/2017)
Satisfactory cuts on steel, stainless steel and aluminum using PAC-A. - Satisfactory cuts on steel, stainless steel and aluminum using PAC-A. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/23/2017	**Demonstrate -** The students will demonstrate his or her ability to produce satisfactory cuts, set forth by the instructor. These cuts will be judged for roughness and quality as set forth by the American Welding Society's D1.1 Structural Welding Code. **Criterion:** 90% of the students in the WELD 235 course will achieve a 75% or better grade for cutting laboratory assignments that are	**Reporting Period:** 2016-2017 **Criterion Met:** No 100 100 0 100 100 100 100 0 100 100	**Action:** The Criterion for achievement was not met. Two students failed to complete this task. Students will be reminded of the policy for absences and will earn a failing grade for their excessive absences. (10/23/2017)

Course Outcomes	Assessment Measures	Results	Actions
	judged in accordance with the American Welding Society's D1.1 Structural Welding Code; Clause 5 Fabrication requirements on cutting.	100 100 (10/23/2017)	
Satisfactory gouging using CAC-A. - Satisfactory gouging using CAC-A. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/23/2017	**Demonstrate -** The students will demonstrate his or her ability to produce satisfactory gouging, set forth by the instructor. The gouging will be judged for roughness and quality as set forth by the American Welding Society's D1.1 Structural Welding Code. **Criterion:** 90% of the students in the WELD 235 course will achieve a 75% or higher grade for gouging laboratory assignments that are judged in accordance with the American Welding Society's D1.1	**Reporting Period:** 2016-2017 **Criterion Met:** Yes 100 100 0 100 100 100 100 100 100 100 100 100 (10/23/2017)	**Action:** Students did an exceptional job with this task. The only things that could have made this task better would be two indoor booths and a larger air compressor. (10/23/2017)
Bushing And bearing removal Using CAC-A. - Bushing And bearing removal Using CAC-A. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/23/2017	**Demonstrate -** The students will demonstrate his or her ability to satisfactory remove a bushing or a bearing without damaging a shaft or bushing boss using CAC-A. Visual inspection of the shaft or boss will judged by the instructor. **Criterion:** 90% of the students in the WELD 235 course will achieve a 75% or higher grade for the bushing or bearing removal laboratory assignment that are visually inspected and judged for damage to the shaft or boss.	**Reporting Period:** 2016-2017 **Criterion Met:** No 0 (10/23/2017)	**Action:** This Laboratory assignment was not performed by the Students. The shop needs several dedicated booths for this task. Currently all CAC-A is being performed outside (weather permitting). In addition to these circumstances the welding shop needs a larger air compressor. This laboratory assignment is an excellent representation of what the students will have to perform in their field of study. This laboratory assignment will be performed by the students in the Spring 2018 semester. (10/23/2017)