

Assessment: Course Four Column

Courses (CTE) - Welding

WELD 220:Gas Mtl & Flux Cord Arc

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) - Explain Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Demonstrate - Verbal – Students will demonstrate competence by presenting oral demonstrations in groups and individually. Criterion: AWS book of definitions and terminology. All students passed a written examination with a 70%</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 10 out of 10 students were able to Explain Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) processes (11/16/2018)</p>	<p>Action: One quiz each morning helps them remember the difference between manual welding practice and Semi-automatic welding processes (11/16/2018)</p>
<p>GMAW shielding gases and filler metals - Identify and explain the use of GMAW shielding gases and filler metals. Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Demonstrate - Verbal – Students will demonstrate competence by presenting oral demonstrations in groups and individually. Criterion: All students passed a written examination with a 70% or greater.</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 100% of the class can identify shielding gases used for GMAW, not all students were able to identify all filler metals used in each process. (11/16/2018)</p>	<p>Action: Hand out Lincoln filler metal book first day of class so the student can take these books home and study. Have examples of different types of filler metal in the class room and the lab are for students to uses. (11/16/2018)</p>
<p>GMAW multipass groove welds on plate, using solid or composite wire and shielding gas, in multiple positions - Perform GMAW multipass groove welds on plate, using solid or composite wire and shielding gas, in multiple positions. Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Assignment - Lab - Practical- lab work Criterion: These welds will be judged for soundness and quality as set forth by the American Welding Society's D1.1 Structural Welding Code</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 100 % of the students were able to make satisfactory welds in various positions (11/16/2018)</p>	<p>Action: Try to get better lighting in the welding booths so the student can see the weld area better and also recommend a magnetic flashlight for the overhead position this will allow the student to identify defects and discontinuity's as they are welding out there labs. (11/16/2018)</p>