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Please select your course and name from the drop-down menu. If your course or name are incorrect or missing, contact the Curriculum and Assessment Administrative Assistant, 541-506-6037 or [swade@cgcc.edu](mailto:swade@cgcc.edu).

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MFG 280 - Aluminum GTAW/TIG Welding- Robert Wells-Clark- Part A- Winter 2025

**\* Part A: Your Plan DIRECTIONS 1. Choose three of your course outcomes to assess and report on this term (these will also be used in your Student Course Evaluation survey): Outcome #1**

2. Identify the different types, properties and common uses of different aluminum alloys as they pertain to manufacturing

**\* Outcome #2**

3. Manufacture aluminum butt, fillet and pipe welds with correct filler selection

**\* Outcome #3**

6. Manufacture a basic aluminum pressure vessel

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**Have you completed an assessment for this course prior to this term?**

Yes

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**If yes, are you assessing different outcomes?**

Yes

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**Comments:**

I am sure I have been assigned this course before, but I don't have access to which outcomes I did; apologies if these are redundant.

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**2. To which degree(s) or certificate(s) does your course map? Degree, Certificate, & Program Outcomes**

Manufacturing Certificate, ENGINEERING, MANUFACTURING & INDUSTRY, Advanced Manufacturing Technology

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**\* Method of Assessment 3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.) Outcome #1: Method to assess student understanding**

Pre test to Post test assessment comparison.

**\* Outcome #2: Method to assess student understanding**

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Rubric to assess to AWS standard.

**\* Outcome #3: Method to assess student understanding**

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Pressure test vessels to system working pressure of 110psi.

**\* 4. How will you know if you were successful in your efforts to teach this outcome? Outcome #1:**

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Student test scores improve.

**\* Outcome #2: How will you know if you were successful in your efforts to teach this outcome?**

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Student produce welds of appropriate quality.

**\* Outcome #3: How will you know if you were successful in your efforts to teach this outcome?**

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Pressure vessels hold 110psi.

**5. Instructor Questions: Create two course specific questions to be included on the Student Course Evaluation. Question #1**

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What areas of this course did you find most valuable for your skillset development?

**Question #2**

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What content of this course do you think need changed and why?

**Do you require the names of students who complete the course evaluation survey? (Please note: names will be sent to instructors the Thursday before term ends)**

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NO

**Reminder, when completing Part B, instructors will be asked the following questions: Describe anything you did to assist the institutional effort to support students in improving achievement of the specified criteria for the following Institutional Learning Outcomes (ILO): 1. ILO#1 - Communication - "Content Development" and/or "Control of Syntax and Mechanics" 2. ILO#2 - Critical Thinking/Problem Solving - "Evidence" and/or "identify strategies" 3. ILO#4 - Cultural Awareness - "Openness" (Encouraging our students to "Initiate and develop interactions with culturally different others") 4. ILO#5 - Community and Environmental Responsibility 5. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"**

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Ok? Or do you need me to address specific ILO's that this course approaches.