

WPT 212 - WELDING FABRICATION II

Course Description

Second level fabrication class for all students enrolled in the Welding Technology A.A.S. program. Students will take control of a fabrication project from the planning to finishing stages. Emphasis on design, project planning, and efficient execution. Group 2 course.

Credit Hours

3

Contact Hours

5

Lecture Hours

1

Lab Hours

4

Required Prerequisites

WPT 211 and WPT 260

General Education Outcomes supported by this course

Critical Thinking - Direct

Course Learning Outcomes

Knowledge:

- Organize project steps for manufacturing.
- Identify factors that govern the manufacturing process.

Application:

- Generate project design prints.
- Use formulae to estimate cost of work.

Integration:

- Integrate theory with their practical experience.
- Organize tasks to achieve process efficiency.

Human Dimension:

- Support the progress of others through collaboration.
- Justify manufacturing design decisions.

Caring - Civic Learning:

- Demonstrate shop etiquette.
- Reflect on the value of attitude in the industrial environment.

Learning How to Learn:

- Adapt to the less structured work environment.
- Synthesize new material with old in order to improve outcomes.