WELD 1050

Division: Career and Technical Education
Department: Welding Technology
Course: WELD 1050
Title: Welding Skills Lab
Catalog Description:

This non-credit course provides lab time in 20 hour blocks for individuals who want to improve existing welding skills with minimal instruction and no additional theory work. A basic shop safety test must be completed before entering the lab. Lab hours are to be arranged with the department chair upon registration.

General Education Requirements: N/A
Semesters Offered: TBA
Credit/Time Requirement: Credit: 0; Lecture: 0; Lab: 0
Clock/Hour Requirements: 0
Offered for Non-Credit: No
Credit/Clock Comments: Non-Credit
Prerequisites: None

Corequisites: None

Justification:

This course provides a means for community members to improve their welding skills by allowing the use of the equipment in the welding lab.

Student Learning Outcomes:

Upon successful completion, students will be able to:

- Show improved skill in their chosen welding method(s).
- Have increased confidence in their ability to produce sound welds.

Content:

Individual student's objectives will be accomplished by providing practice time in the following welding process(es) of their choice: Oxyacetylene, SMAW, GMAW, FCAW, GTAW

General Education Outcomes:

Applied Education Outcomes:

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

Students will visually inspect weld quality for appearance, uniformity, and consistency. Professional welding is judged heavily on the aesthetic aspect.

3) Students will demonstrate safe practices and awareness of potential hazards in their field of expertise.

Students must pass a shop safety test prior to entering the lab. Continued compliance with safe practices is monitored by the instructor.

Key Performance Indicators:

In class: Variable and specific to each individual student.Following class: There will be opportunity to take a certification test when the student and instructor agree that his skills have improved enough to have a good chance of passing. The test will meet AWS standards and is Pass/Fail. An additional fee is required prior to testing.

Representative Text and/or Supplies:

None

Optimum Class Size: 12
Maximum Class Size: 12

Signatures:

I hereby submit this course syllabus:

Alan Palmer, M. Ed., Associate Professor

I hereby find this course consistent with the goals and resources of the Welding Technology Department:

Alan Palmer, M. Ed., Associate Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)