



WELD 1050

Division: Career and Technical Education

Department: Industrial 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: Yes

Credit/Clock Comments: Non-Credit

Prerequisites: N/A

Corequisites: N/A

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:

- Oxy-acetylene
- shielded metal arc welding
- gas metal arc welding

- flux core arc welding
- gas tungsten arc welding.

General Education Outcomes:

Key Performance Indicators:

Student Learning Outcomes will be assessed by the following Key Performance Indicator:

- AWS standards certification test.

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 Industrial Technology Department:

Alan Hart, AAS, Instructor, 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)