

# Northland Community and Technical College

## WELD 1121: Oxy-Acetylene Weld-Cut

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 1

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the technical understanding of the oxy-acetylene welding (OAW) process, safety, and set-up. The proper use of the equipment will be covered. This course will also provide the opportunity to develop manual skills in welding, cutting, and brazing. Prerequisite: None.

**B. COURSE EFFECTIVE DATES:** 04/26/1999 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Demonstrate an understanding of safety related to the oxy-acetylene system.
2. Demonstrate an understanding of the theory and equipment setup of an oxy-acetylene system
3. Explain the method of testing an OAW system for leaks.
4. Demonstrate how to properly ignite, adjust, extinguish, and disassemble and OAW system.
5. Produce welding projects per industry standards.
6. Produce brazing per industry standards.
7. Produce cutting per industry standards.
8. Interpret written instructions to successfully complete required projects.
9. (ILO: 3) Dispose of materials used during the course, i.e. - recycle scrap iron, etc.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

Methods:

1. Exam, objective
2. Skill Performance

### G. SPECIAL INFORMATION

None noted