

Minnesota State College Southeast

WELD 1415: Oxy-fuel Weld, Cutting & Brazing

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: *.*

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is designed to show the student the safety of welding tank storage and handling. The proper way to open, close, and maintain tanks, their gauges and flow meters. How to set-up and create the proper flames and demonstrate its importance in each phase. Welding, cutting, and brazing will be performed in the flat position with various joint set-ups. (Prerequisite: None) (1 credit: 0 lecture/1 lab)

B. COURSE EFFECTIVE DATES: 03/03/2008 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Identify dangers when working in a weld shop
2. Demonstrate proper storage of compressed gases
3. Demonstrate safe practices around compressed gases
4. Demonstrate proper set-up and start-up procedures
5. Identify differences between welding and cutting equipment
6. Demonstrate proper gas mixtures
7. Identify and Demonstrate setting-up a proper flame
8. Demonstrate proper oxy-fuel welding procedures in the flat position
9. Demonstrate proper oxy-fuel brazing procedures in the flat position
10. Demonstrate proper torch cutting procedures
11. Demonstrate proper shut-down and storage of equipment
12. Demonstrate proper maintenance oxy-fuel equipment Revised 7/28/08

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted