

Date Prepared: 5/26/05

New Revised
(Check One)

Effective Date: Summer 2005

COURSE OUTLINE

1. COURSE PREFIX and NUMBER: **WEL 195** CREDIT HOURS: **1**

2. COURSE TITLE: **Oxy-acetylene Safety**

3. PREREQUISITES: None

4. COURSE DESCRIPTION: This course emphasizes the safe handling, use, and storage of oxy-acetylene welding equipment. Lecture 1 hour per week.

5. CONTENT: (Major Headings)

- a. General Safety
- b. Welding Gases
- c. Safety handling welding gases
- d. Oxy-acetylene apparatus
- e. Proper lighting and adjustment of torches
- f. Shut-down and storage procedures
- g. Safety equipment
- h. Safety in welding area
- i. Hazards

6. GENERAL COURSE OBJECTIVES:

Upon successful completion of the course, the student will be able to:

- a. Demonstrate safe welding practices
- b. Demonstrate the proper set-up of oxy-acetylene equipment
- c. Identify oxygen and acetylene welding components
- d. Demonstrate proper lighting and adjustments of torches
- e. Identify various hazards associated with oxy-acetylene equipment