

# Minnesota State College Southeast

## WELD 1442: Individualized Welding Skills Lab

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: \*.\*

Lab Hours/Week: 4

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is a hand-on, open laboratory time available to both the skilled and unskilled welder for the opportunity to improve or develop his/her welding application skills. Students will have access to SMAW (stick), GMAW (MIG), FCAW (flux-cored), and GTAW (TIG) welding processes. Enhancement and/or introduction of all 1G, 2G, 3G, and 4G welding positions will also be encouraged to help broaden the welder's abilities. (Prerequisite: Instructor interview and approval required) (2 credits: 0 lecture/2 lab) (4 hour lab session)

**B. COURSE EFFECTIVE DATES:** 01/24/2011 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Introduce different welding processes to students
2. Introduce welding processes to the unskilled individual
3. Generate more confidence and expertise in the skilled welder
4. Advise students of proper welding techniques
5. Participate in daily hands-on training
6. Isolate and improve possible insufficient welding and/or safety habits
7. Conduct visual inspection and self-evaluation inspection of welds

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted