

**J. Sargeant Reynolds Community College**  
**Course Content Summary**

**Course Prefix and Number:** WEL 195

**Credits:** 3

**Course Title:** Ornamental Welding

**Course Description (including lecture hours, lab hours, total contacts)**

Introduces students to basic equipment, safety, and processes useful in the fabrication of welded ornamental objects. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week

**General Course Purpose**

To provide students with knowledge and practice useful in creating metal sculpture, yard art, household projects, and other artistic metal work.

**Course Prerequisites/Corequisites** (*Entry-level competencies **required** for enrollment*)

None

**Course Objectives** (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- 1) Recognize and use proper safety procedures while welding.
- 2) Demonstrate the ability to perform correct equipment setup.
- 3) Demonstrate the ability to use oxyacetylene welding equipment.
- 4) Demonstrate the ability to use Gas Metal Arc Welding equipment.
- 5) Fabricate a project of the student's choice.

**Major Topics to be Included**

- 1) Oxyacetylene Cutting
- 2) Torch Brazing
- 3) Gas Metal Arc Welding
- 4) Creative Metalworking

**Effective Date of Course Content Summary (Month, Date Year):** October 6, 2008