Course Prefix and Number: WEL 155
Credits: 2

Course Title: Ornamental Welding

Course Description: Introduces students to basic equipment, safety, and processes useful in the fabrication of welded ornamental objects. Lecture 1 hour. Laboratory 3 hours. Total 4 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 and Co-requisites: None

Course Objectives:
Upon completing the course, the student will be able to
a. Recognize and use proper safety procedures while welding;
b. Demonstrate the ability to perform correct equipment setup;
c. Demonstrate the ability to use oxyacetylene welding equipment;
d. Demonstrate the ability to use Gas Metal Arc Welding equipment; and
e. Fabricate a project of the student’s choice.

Major Topics to Be Included:
a. Oxyacetylene Cutting
b. Torch Brazing
c. Gas Metal Arc Welding
d. Creative Metalworking

Effective Date of Course Content Summary: November 6, 2014