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

Student Learning Outcomes:  
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 Plasma Arc Cutting 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. Safety  
  b. Plasma Arc Cutting  
  c. Gas Metal Arc Welding  
  d. Creative Metalworking

Date Created/Updated (Month, Day, and Year):  January 12, 2019