Course Prefix and Number: WEL 126                  Credits: 3

Course Title: Pipe Welding I

Course Description: Teaches metal arc welding processes, including the welding of pressure piping in the horizontal, vertical, and horizontal-fixed positions in accordance with Section IX of the ASME Code. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose:

Course Prerequisites and Co-requisites:
None

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Develop a basic understanding of pipe layout;
b. Identify the more commonly used pipe symbols;
c. Develop an understanding of the basic terms and nomenclature associated with pipe and pipe welding;
d. Develop the skills necessary to properly weld a wide variety of pipe; and
e. Develop the skills necessary to use the basic tools needed to lay out pipe for fabrication and welding.

Major Topics to Be Included:
   a. Safety
   b. Pipe symbols, nomenclature, terminology
   c. Pipe layout and fabrication
   d. Tools and equipment
   e. Pipe welding
   f. Section IX of the ASME Code

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