

# Louisiana Delta Community College

## Academic Affairs Master Syllabus

**Course Name:** PIPING PROCEDURES II

**Course Number:** WELD 2461

**Lecture hours:** 15

**Lab Hours:** 45

**Credit Hours:** 2

**Textbook, Author, and Publisher:** To be provided by College Campus

**Instructor Information:** To be provided by College Campus

**Class Location:** To be provided by College Campus

### **Course Description:**

This course covers piping systems, drawings, and detail sheets, identifying and installing valves, pipefitting trade math, and threaded pipe fabrication.

**Prerequisites:** WELD 1100 and WELD 2460

**Co-requisites:** None

### **Learning Outcomes:**

On completion of this course, the student should be able to:

1. Demonstrate an understanding of chemical, compressed air, fuel oil, steam, and water systems; the color-code system; and thermal expansion of pipes and pipe insulation
2. Demonstrate an understanding of plot plans, structural drawings, elevated drawings, as-built drawings, equipment arrangement drawings, P&IDs, isometric drawings, spool sheets, and detail sheets
3. Demonstrate an understanding of valve storage and handling, and will be able to install different types of valves
4. Use ratios and proportions, solve basic algebra, area, volume, and circumference problems, and solve right triangles using the Pythagorean Theorem
5. Demonstrate an understating of materials used in threaded piping systems
6. Determine proper pipe lengths between threaded pipe fittings, prepare the pipe and fittings for fit-up, and assemble the piping system.

**Assessment Measures:** To be provided by the College Campus.

**Library Resource Center:**

The Delta Library and Learning Resource Center is committed to providing quality information and learning resources and services, including technology, in supporting the overall mission of Delta Community College and its commitment to lifelong learning.

**Special Accommodations:**

Louisiana Delta Community College complies with Section 504 of the Rehabilitation Act, as well as the Americans with Disabilities Act. Students with disabilities who attend the Monroe campus may make a request by contacting the Director of Counseling and Disability Services (See College Directory for contact information.) at the beginning of each semester. Reasonable accommodations will be attempted for students with documented disabilities. If an impairment is identified later in the semester, a non-retroactive accommodation plan will be developed. Students at satellite campuses should contact the Coordinator of Student Affairs at their particular campus.

**Title IX:**

Louisiana Delta Community College is committed to protecting the rights of students, which includes compliance with Title IX requirements. As such, the institution and members of our community will not tolerate the offenses of dating violence, domestic violence, sexual assault, and stalking. Students with Title IX concerns should contact the College's Title IX Coordinator (See College Directory for contact information.) Students are required to complete Sexual Assault Awareness and Prevention Online Training. Access to this online course will be sent out through the Delta email account.

**Student Code of Conduct:**

Louisiana Delta Community College encourages an environment of academic integrity and mutual respect. Students should read and follow both academic and behavioral expectations identified in the Code of Student Conduct that can be found online at [www.ladelta.edu](http://www.ladelta.edu). Students are expected to act with integrity, respect the rights of others, and conduct themselves in a professional manner. The Honor Code prohibits academic misconduct such as cheating, engaging in unauthorized collaboration, and plagiarism. Violations of the Code of Student Conduct may result in disciplinary action as provided in the Code. Incidents are reported through the online Student Conduct system.