



Danville Community College



COURSE SYLLABUS

DIVISION: Workforce Services

Revised: January 2015

CURRICULUM IN WHICH COURSE IS TAUGHT: Technical Studies, Integrated Systems Technology

COURSE NUMBER AND TITLE: MEC 148, Industrial Pipefitting

CREDIT HOURS: 2

HOURS WEEK LECTURER: 1

HOURS WEEK LAB: 2

LECTURE/LAB COMBINATION: 3

The OEE classes are self-paced study classes in which a student has 16 weeks to complete once enrolled. Students will complete all lab and bookwork before doing the end of chapter tests. All end of chapter tests and final exams are closed book.

I. CATALOG DESCRIPTION

Covers the fundamentals of industrial piping installation, components, and layout. Considers the types of pipe and fabrication of piping systems, as well as the methods used to connect them.

II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES IN WHICH IT IS TAUGHT.

To create a working knowledge of mechanical piping systems as related to industrial maintenance.

III. REQUIRED BACKGROUND

This course is intended for anyone with an interest in and desire to learn the subject matter. No prior knowledge of the subject matter is required.

IV. COURSE CONTENT:

- Introduction to the major concepts of a piping system
- Basic vocabulary
- Requirements for a basic piping design
- International code and standards
- How to design cost effective piping systems
- Improving an existing piping system
- Piping system design and development skills

V. LEARNER OUTCOMES

VI. EVALUATION

Have an understanding of a piping system	Module Quiz
Apply basic skills of pipe fitting, symbols, specifications and their applications to a piping process system.	Hands-on Lab
	Final Exam
	Final Hands-on Lab

The course supports the following objectives:

DCC Educational Objectives

1. Communication
2. Critical Thinking
3. Information Literacy
4. Understanding Culture and Society