



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Pipefitting Principles and Applications
Course Number: MST126

Required Materials

Textbook(s): 1) Piping Systems / 736 Schoolcraft Publishing 2) The Pipe Fitter’s and Pipe Welder’s Handbook (*Revised Edition*) (ISBN 0-02-802500-8)

Required Readings: None

Additional Materials: Basic Calculator and safety glasses for use in Lab.

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
1	Introduction / Syllabus, Syllabus Verification
2	Chapter 1 (Overview of Piping Systems), Quiz chapter 1
3	Chapter 2 (Metal Piping), Quiz chapter 2
4	Chapter 3 (Non-Metallic Piping), Quiz chapter 3
5	Chapter 4 (Tubing), Quiz chapter 4
6	Pipe-fitters Handbook
7	Lab 1 (Bend and Flare Tubing)
8-9	Chapter 5 (Hoses), Quiz chapter 5
10	Chapter 6 (Fittings), Pipe Pretzel Calculations, Quiz chapter 6
11	Chapter 7 (Common Valves), Quiz chapter 7, Chapter 8 (Special Valves), Quiz chapter 8
12	Lab 2 (Group 1) - Cutting, Threading and Assembly
13	Lab 2 (Group 2) - Cutting, Threading and Assembly
14	Chapter 9 (Strainers, Filters and Traps), Quiz chapter 9
15	Chapter 10 (Piping Accessories), Final Review, Quiz chapter 10, Pipe-fitters Handbook Quiz
16	Soldering Lab, Final Exam