



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Advanced Layout and Pipe Threading and Grooving

**Course Number:** PIP180

### Required Materials

**Textbook(s):** Custom - Advanced Plan Reading and Related Drawing

**Required Readings:** None

**Additional Materials:** None

### 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	Course Introduction and Advanced Blueprint/Plan Reading Review – Ch 1
2	Structural and Mechanical Drawings – Ch 2
3	Pipe Layout Mathematics – Ch 3 – Quiz
4	Introduction to Threaded Pipe Systems – Ch 4
5	Threading Machine Operation and Practice – Ch 5 – Quiz
6	Threaded Pipe Project (Small-Diameter System)
7	Advanced Threading Techniques Lab
8	Threaded Pipe Project Completion Lab
9	Introduction to Grooved Pipe Systems – Ch 6
10	Grooving Machine Setup and Operation Lab - Quiz
11	Advanced Grooving Techniques Lab
12	Grooved Piping Assembly Skills Lab
13	Pipe Grooving Project (System Layout)
14	Pipe Grooving Project Completion Lab
15	Integration and Mixed-System Project Lab
16	Final Practical and Written Exam