



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Underground, Steam and Hydrionic Heat

**Course Number:** PIP200

### Required Materials

**Textbook(s):** Custom - Hydronic Heating and Cooling, Steam Systems, and Drainage Systems

**Required Readings:**

**Additional Materials:**

### 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 to Underground Piping Systems Chapters 1-3 Read Lecture
2	Underground Piping Materials and Installation Chapters 1-3 Quiz – Chapter 4 Read/Lecture
3	Drainage Systems Design and Layout Chapter 4 Quiz – Chapter 5 Read/Lecture
4	Drainage System Installation and Testing Chapter 5 Quiz – Chapter 6 Read/Lecture
5	Introduction to Steam Systems Chapter 6 Quiz – Chapter 7 Read/Lecture
6	Steam Distribution and Condensate Return Chapter 7 Quiz
7	Steam System Operation and Maintenance Lab – Chapter 8
8	Hydronic Heating System Fundamentals Lab – Chapter 9 - Test
9	Hydronic Piping and Components Chapter 10
10	System Calculations And Sizing Chapter 11
11	Hydronic Controls and Automation Chapter 12 – Quiz
12	Hydronic System Commissioning and Maintenance – Chapter 13
13	Steam and Hydronic Applications Lab I
14	Steam and Hydronic Applications Lab II
15	Steam and Hydronic Applications Lab III
16	Final & Lab Skill Assessment