



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Pump Operation and Systems Installation

Course Number: PIP168

Required Materials

Textbook(s): Custom U.A. Pump Book

Required Readings: Pumping Away

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	Safety, Fundamentals, and Pump Types Chapter 1
2	Chapter 1 Quiz – Centrifugal Pumps and System Components Chapter 2
3	Chapter 2 Quiz – Positive Displacement Pumps and Performance Testing Chapter 3
4	Chapter 3 Quiz – Installation Procedures and Basic Alignment Chapter 4
5	Advanced Alignment and Mechanical Seals Lecture – Mid-term Test
6	Pump Curves, Cavitation and System Optimization Lab
7	Electrical and Control Integration and Troubleshooting
8	Capstone Build, Verification, and Final Exam