



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Fluid Power
Course Number: MET222

Required Materials

Textbook(s): Fluid Power, 7th Edition by Anthony Esposito
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.

COURSE OUTLINE/CALENDAR

In case of events beyond the control of faculty that interfere with class times and teaching, adjustments may be made to date of coverage, order of coverage, and date of exams and assignments to ensure full coverage of course content.

Week	Chapter/Topic/Lab
1	Chapter 1: Introduction to Fluid Power
2	Chapter 2: Physical Properties of Hydraulic Fluid
3	Chapter 3: Energy and Power in Hydraulic Systems
4	Chapter 3: Energy and Power in Hydraulic Systems
5	Chapter 4: Frictional Losses in Hydraulic Pipelines
6	Chapter 4: Frictional Losses in Hydraulic Pipelines
7	Chapter 5: Hydraulic Pumps
8-9	Chapter 6: Hydraulic Cylinders
10	Chapter 7: Hydraulic Motors
11	Chapter 8: Hydraulic Valves/Lab
12	Chapter 8: Hydraulic Valves/Lab
13	Chapter 10: Conductors
14	Chapter 13: Pneumatics
15	Chapter 13: Pneumatics
16	Pneumatics Lab - Final