



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Hydraulic and Pneumatic Systems
Course Number: MST134

Required Materials

Textbook(s): 1) Industrial Hydraulics Manual, Eaton Corp. (ISBN-13: 978-0-9788022-0-2)
 2) Industrial Pneumatic Technology

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	Introduction, Syllabus, Chapter 1 (Assign Questions), Chapter 2 (Assign Questions)
2	Quiz #1 (Chs. 1 & 2), Chapter 3 (Assign Questions), Chapter 4 (Assign Questions)
3	Quiz #2 (Chs. 3 & 4), Chapter 5 (Assign Questions), Chapter 6 (Assign Questions)
4	Quiz #3 (Chs. 5 & 6), Chapter 7 (Assign Questions), Vickers Trainer: Overview & Exercise #1
5	Chapters 8 & 10 (Assign Questions), Vickers Trainer: Exercises #2-1, Vickers Trainer: #2-2
6	Chapters 8 & 10, con'td (Assign Questions), Vickers Trainer: Exercises #3, Vickers Trainer: Exercises #4
7	Quiz #4 (Chs. 7 & 8), Vickers Trainer: Exercise #5, Vickers Trainer: Exercise #6
8	Chapter 11 (Assign Questions), Vickers Trainer: Exercise #7
9	Chapter 11, cont'd (Assign Questions), Vickers Trainer: Exercise #8, Vickers Trainer: Exercise #9
10	Quiz #5 (Chs. 10 & 11), Chapter 15 (Assign Questions), Vickers Trainer: Exercise #10
11	Chapter 17 (Assign Questions), 10-Component Circuit Design, Vickers Trainer: Exercise #11
12	Quiz # 6 (Chs. 15 & 17), Pneumatics: Chs. 1-2
13	Pneumatics: Chs. 3-4; Labs 1 & 2
14	Pneumatics: Chs. 5-6; Labs 3 & 4
15	Pneumatics: Lab 5
16	Final Exam