

Print Date: 8/18/14

Course Objectives/Course Outline
Spokane Community College

Course Title: Advanced Hydraulics Lab

Prefix and Course Number: FLPT 254

Course Learning Outcomes:

By the end of this course, a student should be able to:

- create electrical and hydraulic circuits using correct symbols
- read and interpret engineering data
- order appropriate components and/or equipment for hydraulic systems

Course Outline

- I. Hydraulic Circuits
 - A. Hydraulic Schematics
 - B. Electrical Schematics
 - C. Calculations for Sizing Components
 - D. Bills of Materials
- II. Practical Applications
 - A. Alternate Circuits
 - B. Efficient Circuits
 - C. Inefficient Circuits
 - D. Circuit Design Methods
 - E. Circuit Interpretation