

Course Objectives/Course Outline
Spokane Community College

Course Title: Shop Drawing

Prefix and Course Number: FLPT 134

Course Learning Outcomes:

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

- convert a verbal description and specification of a part into a finished shop drawing
- make full scale, half scale drawings dimension, using datum lines (both fractional and decimal)
- call out machine finishes
- make velum drawings that will produce an acceptable copy on a blueprint machine

Course Outline

- I. Shop Drawings
 - A. Layout Borderline and Title Block
 - B. Center Part on Drawing
 - C. 2 and 3 View Orthographic
 - D. Finished Drawings of Existing Parts
 - E. Finished Drawings of Part Dimensions
 - F. Finished Drawings from Verbal Descriptions
 - G. Finished Drawings from Manufacturer's Literature
 - H. Full Size Parallel Bar
 - I. Full Size Valve Template
 - J. Half Size Valve Template
 - K. Hydraulic Motor Mounting Bracket
 - L. Cylinder Rod