

Course Objectives/Course Outline
Spokane Community College

Course Title: Practical Shop

Prefix and Course Number: HEQ 262

Course Learning Outcomes:

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

- Demonstrate proper overhead lifting techniques
- Demonstrate safe lift truck operation
- Perform an annual DOT truck inspection
- Analyze types of equipment failure
- Perform a power steering system test
- Adjust air brakes
- Adjust a variety of clutches

Course Outline

- I. Overhead Crane Safety
 - A. Lifting Chains/Slings/Spreader Bars
- II. Forklift Safety
 - A. Operator Certification
- III. Maintenance and Inspection
 - A. DOT Annual Inspections
 - B. Services
 - 1. Changing Oil and Filters
 - 2. Lubing Chassis
 - C. Lube Sampling
- IV. Failure Analysis
 - A. Discovering The Root Cause
- V. Power Steering and Suspensions
 - A. Operation
 - B. Inspection
 - C. Service
 - D. Testing
- VI. Brake and Clutch
 - A. Test
 - B. Adjust
 - C.