

\_\_\_\_\_ SOUTH SEATTLE COMMUNITY COLLEGE \_\_\_\_\_  
Technical Education Division

COURSE OUTLINE  
Revision: Doug Clapper – 2008

DEPARTMENT:	Heavy Duty Diesel Technology
CURRICULUM:	Diesel and Heavy Duty Equipment Technology
COURSE TITLE:	Lift Truck Operator
COURSE NUMBER:	HDM 171
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	30 Hours
CREDIT HOURS:	2
LECTURE HOURS:	10
LAB HOURS:	20
CLASS SIZE:	18 Maximum
PREREQUISITES:	HDM 101(Introduction to Heavy Duty) or Instructor's permission

COURSE DESCRIPTION:

A course to obtain a lift truck operator's safety certification card. Student will learn current regulations as well as demonstrating practical fork lift operation.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Communication - Communicate effectively to give and take directions.
2. Personal Responsibility - Demonstrate safe work habits and procedures.  
Observe correct work procedures and techniques.

## GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Explain major regulations.
2. Perform a pre-shift inspection.
3. Meet basic operator maneuvering skill levels.
4. Pass satisfactorily, both the knowledge test and driving test for certification.

## TOPICAL OUTLINE:

## APPROX. HOURS

I.	Orientation, regulation, safety	2
II.	Types of lift trucks	2
III.	Theory of operation	8
IV.	Pre-trip inspection	4
V.	Practice maneuvers, load and unload	12
VI.	Driving and written test	<u>2</u>
	TOTAL	30

## Program Outcomes

1. Identify function, read diagrams and manufacturer specifications, inspect, diagnose problems, replace/repair, and service all major components of heavy duty equipment and vehicles. (SLO 1.1 & 7.2)
2. Using IVISDS sheets, OSHA and WISHA standards, demonstrate safety procedures relating to equipment, personal safety, and safety of others. (SLO 6.4)
3. Demonstrate proficiency in using hand and electronic testing and repair equipment. (SLO 6.3)
4. Consistently apply standards and guidelines for safe work procedures. (SLO 6.4 & 6.5)

5. Work independently and in groups to service, complete repairs, test, and maintain heavy duty vehicles to meet industry standards. (SLO 3.1)
6. Use industry tools to measure service. (SLO 2.2)
7. Use technology to test and repair equipment. (SLO 5.1)
8. Identify and strategize own career plans within the field. (SLO 6.2)
9. Practice good customer service. (SLO 3.2)
10. Work with accuracy, dependability, proficiency and speed when servicing equipment. (SLO 6.1)
11. Explain the expectations of employers for employees within the diesel industry. (SLO 7.1)
12. Communicate and document service records. (SLO 1.2)
13. Demonstrate basic competency in use of computers to access repair/replacement data and to document service. (SLO 5.1 & 7.1)

## Student Learning Outcomes (SLO)

STUDENT LEARNING OUTCOMES are the knowledge and abilities every student graduating with a certificate or degree from South Seattle Community College will have. Students will achieve these outcomes as well as the specific curriculum outcomes for their academic or technical area of study.

### **1. Communication**

- 1.1 Read and listen actively to learn and communicate.
- 1.2 Speak and write effectively for personal, academic and career purposes.

### **2. Computation**

- 2.1 Use arithmetic and other basic mathematical operations as required by program of study.
- 2.2 Apply quantitative skills for personal, academic, and career purposes.
- 2.3 Identify, interpret and utilize higher level mathematical and cognitive skills (for those students who choose to move beyond the minimum requirements are stated above).

### **3. Human Relations**

- 3.1 Use social interactive skills to work in groups effectively.
- 3.2 Recognize the diversity of cultural influences and values.

### **4. Critical Thinking and Problem-Solving**

- 4.1 Think critically in evaluating information, solving problems and making decisions.

**5. Technology**

5.1 Select and use appropriate technological tools for personal, academic and career tasks.

**6. Personal Responsibility**

6.1 Be motivated and able to continue learning and adapt to change.

6.2 Value one's own skills, abilities, ideas and art.

6.3 Manage personal health and safety.

6.4 Be aware of civic and environmental issues.

**7. Information Literacy**

7.1 Access and evaluate information from a variety of sources and contexts, including technology.

7.2 Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society.

REVISED BY: Doug Clapper  
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