

Industrial Education Safety 1112 Forklift Training for Operators (.25)
[formerly Petroleum Technology 93I]

Prerequisite: None

Total Hours: 4 hours lecture; 4 hours lab (8 hours total)

Catalog Description: This course is designed to introduce the student to the design, characteristics, and safe operating practices of the seven classes of powered industrial trucks. The course meets the general requirements of California's standards found in Title 8, General Industry Safety Orders, Sections 3664 & 3668. This course is offered on a Pass/No Pass basis with the option to receive a letter grade.

Type of Class/Course: Degree Credit

Textbook: None

Additional Required Instructional Materials: None

Course Objectives:

By the end of the course a successful student will be able to

1. Describe the characteristics of powered industrial trucks (forklifts),
2. Describe and recognize the differences from other non-specialized mobile equipment, and
3. Safely operate a Class V forklift in a competent manner.

Course Scope and Content: (Lecture)

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|----------|---|
| Unit I | Who can operate a powered industrial truck (forklift)
A. Cal-OSHA regulations
B. Employer regulations |
| Unit II | Regulatory requirements
A. §3664 Operating rules
B. §3668 Power industrial truck operator training |
| Unit III | Applicability
A. All engaged in power industrial truck operation |
| Unit IV | Definitions
A. Major components of power industrial truck |
| Unit V | Forklift classification
A. Description of seven classes of power industrial trucks |
| Unit VI | Principles of operation
A. Center of gravity
B. Combined center of gravity |

- C. Fulcrum principle
- D. Stability triangle

- Unit VII Pre-Use inspection
- A. General condition
 - B. Fluid check
 - C. Wheels and tires
 - D. Hydraulic cylinders
 - E. Mast
 - F. Forks
 - G. Body

- Unit VIII Operation
- A. Controls and instrumentation
 - B. Load capacity
 - C. General safety
 - D. General hazards

- Unit IX Pre-Use walk-around
- A. Low over hangs
 - B. Debris in travel way
 - C. Pedestrian traffic
 - D. Safe passage

- Unit X Functional testing
- A. Proper operation of hydraulic controls
 - B. Proper operation of transmission
 - C. Proper operation of brake system
 - D. Proper operation of steering system
 - E. Proper operation of safety devices

- Unit XI Driving/Obstacle course
- A. Safe operation
 - B. Use of hydraulic controls

Lab Content:

1. Practice driving a Class 5 forklift through a simulated warehouse “road”

Learning Activities Required Outside of Class: None

Methods of Instruction:

1. Lecture
2. Video
3. Driving practice

Methods of Evaluation:

1. Written final exam
2. Check-off driving proficiency



Supplemental Data:

TOP Code:	095670: Indus Occupational Safe Health
SAM Priority Code:	C: Clearly Occupational
Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	2: Stand-alone
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	C: Pass/No Pass
Taft College General Education:	NONE