

Revised by: G. Clarke
Reviewed by: K. Bandy
Text update: Spring 2019
Date revised: Spring 2019
C & G Ed approval: March 7, 2019
Board approval: April 10, 2019
Semester effective: Fall 2019

Occupational Safety and Health (OSH) 1113 California Commercial Driver License Permit Preparation (1.75 Units)

[formerly Petroleum Technology 94P and Industrial Education Safety (IES) 1113]

Prerequisite: None

Total Hours: 24 hours lecture; 16 hours lab (40 hours total)

Catalog Description: This lecture/practical course is designed to prepare for taking the California Class A/B written driving test, thereby enabling the successful examinee to obtain a California Class A/B learner permit. This course is offered on a Pass/No Pass basis with the option to receive a letter grade. Not open to students with credit in IES 1113.

Type of Class/Course: Degree Credit

Textbook:

Department of Motor Vehicles. *California Commercial Driver Handbook*, State of California,

Additional Required Materials: None

Course Objectives:

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

1. understand and make informed decisions about basic road and driving safety conditions normally encountered by commercial drivers,
2. understand the necessary regulatory and legal information to pass the written tests for the General Knowledge, Air Brakes, Passenger, Doubles and Triples, and Hazardous Materials endorsements,
3. perform the Department of Motor Vehicles (DMV) programmed Pre-trip Vehicle Inspection, and
4. describe the drive test requirements of the California DMV.

Course Scope and Content:

- Unit I Introduction
- A. Who must have a California Driver's License (CDL) in California?
 - B. Federal Motor Carrier Safety Administration
 - C. Limitations and Exceptions
- Unit II Driving Safely
- A. Equipment safety
 - B. Driver fitness
 - C. Traffic safety

- D. Road safety
 - E. Environmental and weather safety
 - F. Hours of Service
 - G. Drivers' Daily Log requirements
- Unit III Transporting Cargo
- A. Pre-loading cargo inspection
 - B. Weight distribution
 - C. Mid-trip cargo inspection
 - D. Characteristics of equipment with and without cargo
 - E. Department of Transportation (DOT) cargo restrictions per Class
 - F. Emergencies and on-shoulder parking regulations
- Unit IV Air Brakes
- A. Principles of operation
 - B. System components
 - C. Trailer brakes
- Unit V Combination Vehicles
- A. Definitions
 - B. Handling characteristics
- Unit VI Doubles and Triples
- A. Definitions
 - B. Brake system
 - C. Clearances
 - D. Turning characteristics
 - E. Lighting requirements
- Unit VII Tank Vehicles
- A. Definitions
 - B. Types
 - C. Driving characteristics
 - D. Baffles and bulkheads
 - E. Loading and unloading
- Unit VIII Hazardous Materials/Wastes
- A. Definitions
 - B. Placarding
 - C. Documentation requirements
 - D. Emergencies
 - E. Cargo segregation
- Unit IX Introduction to the Drive Test
- A. Elements of the California DMV drive test
 - B. Typical driver mistakes during testing
- Unit X Written Testing
- A. Requirements
 - B. Errors allowed
 - C. Cost for test and retest

- Unit XI Pre-trip Inspection Final Walk-through
- A. Elements of the Pre-Trip
 - B. What to look for
 - C. DOT Out-of-service thresholds
 - D. Walk-around inspection
 - E. In Cab inspection
 - F. Air brake test

Lab Content:

- 1. Practical practice tests
- 2. Perform pre-drive inspections on a commercial vehicle
- 3. Perform air brake testing
- 4. Hands on, non-moving commercial vehicle familiarization

Learning Activities Required Outside of Class: None

Methods of Instruction:

- 1. Lecture
- 2. Video
- 3. Hands on, non-moving commercial vehicle practice
- 4. PowerPoint presentations

Methods of Evaluation:

- 1. Written examination
- 2. Pre-trip inspection of a commercial vehicle

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:	Yes
Eligible for Pass/No Pass:	C: Pass/No Pass
Taft College General Education:	NONE
Disciplines:	Industrial Safety