

DET 156 Course Outline as of Fall 2020**CATALOG INFORMATION**

Dept and Nbr: DET 156 Title: COMMERCIAL TRUCK DRIVING
 Full Title: California Commercial Truck Driving License Preparation
 Last Reviewed: 3/9/2015

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

California commercial truck class "A" written license exam preparation. Includes driving techniques, air brake inspection and pre-trip inspection information. To complete the license requirements you must take the written exam and the driving test at the California DMV.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:**Schedule of Classes Information:**

Description: California commercial truck class "A" written license exam preparation. Includes driving techniques, air brake inspection and pre-trip inspection information. To complete the license requirements you must take the written exam and the driving test at the California DMV. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:

IGETC:	Transfer Area	Effective:	Inactive:
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CSU Transfer:	Effective:	Inactive:
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UC Transfer:	Effective:	Inactive:
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CID:

Certificate/Major Applicable:

Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Pass an exam similar to the state license written exam
2. Perform a pre-trip inspection on an air brake equipped truck

Objectives:

Upon completion of the course, students will be able to:

1. Explain the qualifications for the class "A" license
2. Explain safe driving techniques utilized in the operation of a truck
3. Perform air brake inspections on a truck
4. Demonstrate proper pre-trip inspection techniques on trucks and trailers

Topics and Scope:

1.DMV HANDBOOK SECTION 1: INTRODUCTION

- a. Who Needs a CDL (Commercial Driving License)
- b. Endorsements
- c. CDL Exceptions
- d. Special Certificates
- e. How to Get a CDL
- f. Commercial Driver License Tests
- g. Medical Documentation
- h. CDL Disqualifications
- i. Other CDL Rules

2. DMV HANDBOOK SECTION 2: DRIVING SAFELY

- a. Vehicle Inspection
- b. Basic Control of Your Vehicle
- c. Shifting Gears

- d. Seeing
- e. Communicating
- f. Controlling Speed
- g. Managing Space
- h. Seeing Hazards
- i. Distracted Driving
- j. Aggressive Drivers/Road Rage
- k. Driving at Night
- l. Driving in Fog
- m. Driving in Winter
- n. Driving in Very Hot Weather
- o. Railroad-Highway Crossings
- p. Mountain Driving
- q. Driving Emergencies
- r. Antilock Braking Systems (ABS)
- s. Skid Control and Recovery
- t. Accident Procedures
- u. Fires
- v. Alcohol, Other Drugs, and Driving
- w. Hazardous Materials Rules for All Commercial Drivers

3. DMV HANDBOOK SECTION 3: TRANSPORTING CARGO SAFELY

- a. Inspecting Cargo
- b. Weight and Balance
- c. Securing Cargo
- d. Cargo Needing Special Attention

4. DMV HANDBOOK SECTION 5: AIR BRAKES

- a. The Parts of an Air Brake System
- b. Dual Air Brakes
- c. Inspecting Air Brake Systems
- d. Using Air Brakes

5. DMV HANDBOOK SECTION 6: COMBINATION VEHICLES

- a. Driving Combination Vehicles Safely
- b. Combination Vehicle Air Brakes
- c. Antilock Brake Systems
- d. Coupling and Uncoupling
- e. Inspecting a Combination Vehicle

6. DMV HANDBOOK SECTION 7: DOUBLES AND TRIPLES

- a. Pulling Double/Triple Trailers
- b. Coupling and Uncoupling
- c. Inspecting Doubles and Triples
- d. Doubles, Triples Air Brake Check

7. DMV HANDBOOK SECTION 8: TANK VEHICLES

- a. Inspecting Tank Vehicles
- b. Driving Tank Vehicles
- c. Safe Driving Rules

8. DMV HANDBOOK SECTION 11: PRE-TRIP VEHICLE INSPECTION TEST

- a. All Vehicles
- b. External Inspection (All Vehicles)
- c. Trailer
- d. Taking the CDL Pre-Trip Inspection Test

Assignment:

1. Reading- 20 to 40 pages a week
2. Pre-trip inspection on truck and trailer
3. Air brake inspection
4. 2 to 5 tests
5. Final exam similar to state DMV test

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.

Writing
0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

Problem solving
0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Pre-trip inspection, Air brake inspection

Skill Demonstrations
30 - 50%

Exams: All forms of formal testing, other than skill performance exams.

2 to 5 tests and final exam

Exams
50 - 70%

Other: Includes any assessment tools that do not logically fit into the above categories.

None

Other Category
0 - 0%

Representative Textbooks and Materials:

California Commercial Driver handbook, Dept of motor vehicles, 2014.
Heavy Duty Truck Systems, Bennett, 2011. (350 of 1267 pages)
Instructor prepared materials