

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:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Effective:	Inactive:
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<b>UC Transfer:</b>	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