

ILLINOIS VALLEY COMMUNITY COLLEGE



COURSE OUTLINE

DIVISION: Workforce Development

COURSE: TDT 1201; Truck Driver Training

Date: Fall 2015

Credit Hours: 4

Prerequisite(s): At least 18 years old, show a current Illinois Driver's License with no outstanding or unpaid violations anywhere in the United States, meet the medical requirements of the Federal Motor Carrier Safety Regulations or prove exempt status of not being subject to the regulations, meet the employment standards of the trucking industry.

Delivery Method:	<input checked="" type="checkbox"/> Lecture	4	Contact Hours (1 contact = 1 credit hour)
	<input type="checkbox"/> Seminar	0	Contact Hours (1 contact = 1 credit hour)
	<input type="checkbox"/> Lab	0	Contact Hours (2 contact = 1 credit hour)
	<input type="checkbox"/> Clinical	0	Contact Hours (3 contact = 1 credit hour)
	<input type="checkbox"/> Online		
	<input type="checkbox"/> Blended		

Offered: Fall Spring Summer

IAI Equivalent – **Only for Transfer Courses**-go to <http://www.itransfer.org>:

CATALOG DESCRIPTION:

This course is the classroom presentation of the truck driver training program. The course is designed for people with no commercial driver experience. This course will provide the student with a basic orientation on commercial driver's license requirements. This course will concentrate on the rules, regulations and other requirements necessary to prepare students for the written portion of the CDL examination.

GENERAL EDUCATION GOALS ADDRESSED

[See the last page of this form for more information.]

Upon completion of the course, the student will be able:

[Choose those goals that apply to this course.]

- To apply analytical and problem solving skills to personal, social and professional issues and situations.
- To communicate orally and in writing, socially and interpersonally.
- To develop an awareness of the contributions made to civilization by the diverse cultures of the world.
- To understand and use contemporary technology effectively and to understand its impact on the individual and society.
- To work and study effectively both individually and in collaboration with others.
- To understand what it means to act ethically and responsibly as an individual in one's career and as a member of society.
- To develop and maintain a healthy lifestyle physically, mentally, and spiritually.
- To appreciate the ongoing values of learning, self-improvement, and career planning.

EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

At the completion of this course, the student will be prepared to pass the written portion of the Commercial Driver's License (CDL) examination.

COURSE TOPICS AND CONTENT REQUIREMENTS:

At the completion of this course, the student will be able to:

1. Understand a thorough knowledge of the Commercial Drivers License (CDL) requirements including the components listed:
 - 1.1 The Commercial Motor Vehicle Safety Act and the Nationwide CDL Program.
 - 1.2 Certain Drivers must obtain a CDL.
 - 1.3 Some Drivers are exempt from obtaining a CDL.
 - 1.4 Certain Commercial Vehicle Operators are subject to special requirements.
 - 1.5 New Drivers License classifications result from CDL program
 - 1.6 Special endorsements required for certain vehicles
 - 1.7 Commercial Driver's License test
 - 1.8 Driver's exempt from road test
 - 1.9 Documentation required to obtain a CDL
 - 1.10 CDL fees
 - 1.11 Obtaining a CDL
 - 1.12 CDL reporting requirements
 - 1.13 New CDL alcohol provisions
 - 1.14 Other offenses leading to disqualifications
 - 1.15 Size limitations
 - 1.16 Special equipment
 - 1.17 Vehicle registration

- 1.18 Mechanical safety tests
- 1.19 Radar Detectors

- 2. Understand and have a thorough knowledge of driving safely including the components of safety listed:
 - 2.1 Vehicle inspection
 - 2.2 Basic control of your vehicle
 - 2.3 Shifting gears
 - 2.4 Seeing
 - 2.5 Communication
 - 2.6 Controlling speed
 - 2.7 Managing space
 - 2.8 Driving at night
 - 2.9 Driving in fog
 - 2.10 Driving in winter
 - 2.11 Driving in very hot weather
 - 2.12 Railroad crossings
 - 2.13 Mountain driving
 - 2.14 Seeing hazards
 - 2.15 Emergencies
 - 2.16 Skid Control and recovery
 - 2.17 Accident procedures
 - 2.18 Fires
 - 2.19 Staying alert and fit to drive
 - 2.20 Hazardous materials for all commercial drivers

- 3. Understand and have a thorough knowledge of transporting cargo safely including the components listed:
 - 3.1 Inspecting cargo
 - 3.2 Weight and balance
 - 3.3 Securing cargo
 - 3.4 Other Cargo needing special attention

- 4. Understand and have a thorough knowledge of transporting passengers including the components listed:
 - 4.1 Trip planning
 - 4.2 Log Book preparation
 - 4.3 Map reading
 - 4.4 Pre-trip inspection
 - 4.5 Loading and start trip
 - 4.6 On the road
 - 4.7 After trip vehicle inspection
 - 4.8 Prohibited practices
 - 4.9 Use of brake door interlocks

- 5. Understand and have a thorough knowledge of air brakes including the components listed:
 - 5.1 The parts of air brake system
 - 5.2 Dual air brake systems

- 5.3 Inspecting air brake systems
- 5.4 Using air brakes

- 6. Understand and have a thorough knowledge of combination vehicles including the components listed:
 - 6.1 Driving combination vehicles safely
 - 6.2 Combination vehicle air brakes
 - 6.3 Coupling and uncoupling
 - 6.4 Inspecting a combination vehicle

- 7. Understand and have a thorough knowledge of doubles and triples including the components listed:
 - 7.1 Pulling double/triple trailers
 - 7.2 Coupling and uncoupling
 - 7.3 Inspecting doubles and triples
 - 7.4 Doubles/triples air brake check

- 8. Understand and have a thorough knowledge of tank vehicles including the components listed:
 - 8.1 Inspecting tank vehicles
 - 8.2 Driving tank vehicles
 - 8.3 Safe driving rules

- 9. Understand and have a thorough knowledge of hazardous materials including the components listed:
 - 9.1 The intent of the regulation
 - 9.2 Hazardous material transportation-who does what?
 - 9.3 Communication rules
 - 9.4 Loading and unloading
 - 9.5 Bulk packaging marking, loading and unloading
 - 9.6 Hazardous materials-driving and parking rules
 - 9.7 Hazardous materials-emergencies

B. At the completion of this course, the student will be able to pass the written portion of the Commercial Driver's License (CDL) examination.

Illinois Commercial Driver's License Study Guide
Secretary of State (Author)

Other Course Materials

Calculator, log books, notebook, writing materials
Homework, class materials and videos.

INSTRUCTIONAL METHODS:

Lecture
Video
Hands-on training

INSTRUCTIONAL MATERIALS:

Text
Handouts
Worksheets

STUDENT REQUIREMENTS AND METHODS OF EVALUATION:

A. Tests:

1. Number: Nine (9)
2. Types:
 - a. General Knowledge (multiple choice)
 - b. Air Brakes (multiple choice)
 - c. Combinations (multiple choice)
 - d. Tanker (multiple choice)
 - e. Double & Triples (multiple choice)
 - f. Hazardous Materials (multiple choice)
 - g. Logbooks (written)
 - h. Pre Trip (oral)
 - i. Final Exam (109 questions)
3. Chapters from Text:
 - a. Chapters: 2, 3, 5, 6, 7, 8, 9, 10, 11, 12
 - b. Logbooks: Lecture, video, hands-on, worksheets

OTHER REFERENCES

Course Competency/Assessment Methods Matrix

TDT 1201; Truck Driver Training	Assessment Options																																
For each competency/outcome place an "X" below the method of assessment to be used.	Assessment of Student Learning	Article Review	Case Studies	Group Projects	Lab Work	Oral Presentations	Pre-Post Tests	Quizzes	Written Exams	Artifact Self Reflection of Growth	Capstone Projects	Comprehensive Written Exit Exam	Course Embedded Questions	Multi-Media Projects	Observation	Writing Samples	Portfolio Evaluation	Real World Projects	Reflective Journals	Applied Application (skills) Test	Oral Exit Interviews	Accreditation Reviews/Reports	Advisory Council Feedback	Employer Surveys	Graduate Surveys	Internship/Practicum /Site Supervisor Evaluation	Licensing Exam	In Class Feedback	Simulation	Interview	Written Report	Assignment	
	Direct/ Indirect	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	I	I	I	I	D	D							
Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.																																	
Demonstrate mastery of the skills and competencies required for safe operation of Tractor Trailers						X		X	X				X		X					X						X							
Proper safety techniques and requirements					X		X	X							X					X						X							
Truck and trailer pre-trip preparation and inspection					X		X	X							X					X						X							
Controlled driving on a designated course							X	X							X					X						X							
In traffic city driving							X	X							X					X						X							
Driving on highways and interstates							X	X							X					X						X							
Proper turning procedures and techniques									X						X					X						X							
Proper braking procedures and techniques									X						X					X						X							
Proper backing up procedures and techniques							X	X							X					X						X							
Proper gear shifting procedures and techniques							X	X							X					X						X							
Proper log book procedures					X		X	X				X	X	X	X	X																	
Proper coupling and uncoupling procedures and techniques				X																													