

ADTSEA On-Line Driver Education Program

Background

On-line education has become a major implementation tool for educators the past five years. There are a variety of on-line driver education programs that have been developed by commercial companies. In most cases they have used material that has been developed by the American Driver and Traffic Safety Education Association (ADTSEA).

Due to interest and demand for quality driver education, ADTSEA developed the 2.0 Curriculum DVD to assist teachers in providing a quality driver education program. To meet the need for on-line driver education, ADTSEA has taken the next step by providing this curriculum in an on-line version.

Introduction

The ADTSEA On-Line Driver Education Program is designed to provide the student with the basic knowledge necessary to operate an automobile. It is an introduction to the task of driving, within the highway transportation system, with emphasis on risk perception and management in the decision-making process. It is designed to supplement classroom, skill and behind-the-wheel training.

The On-Line Program features the same classroom unit lesson plans and quizzes contained within the ADTSEA Driver Education Curriculum 2.0 and was developed using the e-learning software program, Moodle. The figure below shows a sample of the ADTSEA On-line program home page.

The screenshot shows a web browser window displaying the Moodle course page for 'ADTSEA On-line Driver Education Program'. The page is titled 'ADTSEA On-line Driver Education Program' and 'ADTSEA - AD101'. The user is logged in as 'Christie Falgione'. The page layout includes a left sidebar with navigation options like 'People', 'Activities', 'Search Forums', 'Administration', and 'Courses'. The main content area is titled 'Topic outline' and contains the following text:

This is the section for creating the "Welcome to Your Course." Customize for each course.

Welcome to the On-Line Theory Driver Education Program. It is designed to provide the student with the basic knowledge and skills necessary to operate an automobile. It is an introduction to the task of the driver within the highway transportation system with emphasis on risk perception and management in the decision-making process.

You will be required to read specific chapters from the Drive Right Text, (Drive Right: You Are the Driver, 10th edition), as you proceed through the units.

Each unit has been designed with content, assignments, discussions boards and unit exams. In some content files you will notice videos. Videos support the content and can viewed as many times as needed. With dial-up connection videos may not run as well or download. High speed connection is recommended for viewing the videos.

Assignments will be submitted according to the date determined for each individual assignment. Pay close attention to when assignments are due. You complete an assignment by typing your answer into the box below the assignment question.

Course Methodology - The time it takes to complete a unit depends on content, specific assignments and chat rooms. Each unit will open on specific dates. At the end of each unit, unit exams will be administered. Exams will be scored as you answer each question. Exams will open and close on specific times/dates.

1 This section deals with Driver Responsibilities and requires the teacher to enter specific information on State driver licensing requirements including GDL requirements.

Unit 1: Introduction to Novice Driver Responsibilities and the Licensing System

As an online student you will complete the classroom theory course prior to enrolling in the Behind-The-Wheel driver education instruction in your local area. A part of this skill training includes a Student-Parent orientation provided by the local Driver Education instructor.

You will be given activities which will require you to discuss risk and risk management principals. This discussion will be between you and the online instructor as well as other students and parent/guardian (PIG) mentor. Through this online discussion we will identify the states licensing system and the requirements you must meet in order to comply which each phase of licensing.

Available resources which will help you obtain the content necessary in this unit are available through the following textbooks, your state driver's manual and state driver licensing web page as well as other identified internet resources.

Continue reading through each content page in this unit.

[State Licensing System Requirements](#)
[Risk management](#)

Read about state licensing requirements and references concerning risk

The right sidebar contains sections for 'Latest News', 'Upcoming Events', 'Recent Activity', 'Messages', and 'Quiz Results'.

Unit Topics

The Unit Topics for the On-Line Driver Education Program include:

Unit 1: Introduction to Novice Driver Responsibilities and the Licensing System

- State licensing system and requirements
- Risk management

Unit 2: Introducing Operator and Vehicle Control Tasks in a Controlled Environment

- Occupant Restraint
- Vehicle operating space
- Pre-entry and preparing to drive checklists
- Operational and vehicle control devices
- Mirror usage

The screenshot shows a web browser window with the address bar displaying a URL from adtsea.org. The page content is as follows:

Brett's Course 101

ADTSEA > BR 101 > Resources > Mirror usage

Mirror usage

Any time speed or position adjustments are necessary, location, size and speed of any vehicles to the sides and/or rear must be considered. It is equally important to remember that while a vehicle is in motion, mirror usage is intended to assist in detection and not in gathering detail. As indicated previously, you cannot afford to divert attention from the path ahead for more than a second at a time. Three quick mirror checks can answer the following questions: Are there vehicles present? If yes, where are they located? If yes, what is the size and relative speed?

When stopping

Anytime you prepare to stop, eyes should go to the rear view mirror. Flash the brake lights to alert any following driver.

When turning

When a turn is anticipated, mirrors should be checked before signaling or making any change of speed or lane position. At the completion of the turn check mirrors to determine if there is sufficient space behind.

Checking mirror blind areas

A mirror blind spot check involves making a quick eye movement to the left or right in the direction of intended vehicle movement.

The diagram shows a top-down view of a car with shaded areas representing the driver's field of vision through the mirrors and peripheral vision. Labels indicate 'Peripheral View Head-Turn Vision' at the front and rear, 'Right Mirror Vision' and 'Left Mirror Vision' on the sides, and 'Blind Spot' areas behind the car.

Convex mirrors

A partial solution to the problem of restricted vision to the left and right is the use of convex mirrors such as those found on the right outside of newer model cars. Due to their rounded surface, convex mirrors provide a much wider view. A problem associated with such mirrors, however, is that objects are much closer than they appear to be when viewed in the mirror.

- Safety, communication, comfort, and convenience devices
- Preparing to drive and starting the engine
- Steering wheel control
- Moving the vehicle forward
- Stopping at and moving away from a curb
- Backing procedures
- Securing the vehicle for parking
- Roadway signs

Unit 3: Space Management System

- SEE – Space Management System
- Space management concepts
- Using the basics
- Vehicle operating space

Unit 4: Basic Maneuvering Tasks

- Turning at intersections
- Staggered stops
- Stopping at intersections
- Changing lanes
- Turning around
- Leaving traffic and hill parking
- Angle, and perpendicular parking
- Parallel parking
- Driving through curves, hills and downgrades
- Passing
- Controlling space to the front, lane positions and making safe lane position choices
- Driving in moderate to heavy traffic

Unit 5: Risk Reducing Strategies for High Speed Multi-lane Expressways

- Trip Planning
- Characteristics of expressways
- Entering expressway
- Driving on expressway
- Exiting expressway
- Special expressway conditions

Unit 6: Personal Factors Influencing Operator Performance

- Alcohol
- Drugs other than alcohol
 - State laws on driving and the use of drugs and alcohol
- Fatigue
- Emotions
- Road rage

Unit 7: Environmental Conditions that Affect Safe Vehicle Operation

- Visibility
- Strong winds
- Changing traction conditions
- Front and rear wheel traction loss
- Running off and returning to the roadway
- Automotive technology

Unit 8: Vehicle Functions, Malfunctions and Collision Reporting

- Warning lights and gauges
- Responses to emergencies
- Interacting with other highway users
- Right-of-way to emergency vehicles
 - State laws on right-of-way to emergency vehicles
- Actions in a collision
 - State laws on collision reporting and accident scene behavior

Unit 9: Sharing the Road with Commercial Motor Vehicles

- Learning about commercial vehicles
- Following commercial vehicles
- Passing and meeting CMV's
- Turning in front of large CMV's
- Off-tracking and hazards of left and right turns
- No-zones
- Truck escape ramps
- Road signs pertaining to large trucks

Unit 10: Reducing the Influence of Distractions on the Driving Task

- Definition of distracted driving
- In-vehicle distractions
- Potential in-vehicle distractions
- Planning for distractions

Overview of the On-Line Driver Education Program

Once you have signed up to use the On-Line Driver Education Program you will be assigned a username and password, which will give you access to the on-line course and enroll you as an instructor. From the website you will be able to tailor the course to meet your state's needs. You can decide the timeframe of the course, the amount of time given to the students to complete a unit or quiz, the layout, and order of the units to fit your needs. You can add additional content as well and include state specific content, as needed.

Once students are enrolled in the course they will be required to read content pages, as well as specific chapters from the Drive Right Text, (Drive Right: You are the Driver, 10th edition) as they proceed through the units.

Each unit has been designed with content, assignments, discussions boards and unit quizzes. In some content files you will notice videos. Videos support the content and can be viewed as many times as needed. With dial-up connection videos may not run as well or download. High speed connection is recommended for viewing the videos.

Assignments and quizzes will be submitted according to the date determined for each individual assignment. The student will need to pay close attention to when assignments are due.

As an instructor, you can adjust the time it takes to complete a unit depending on how long you want each student to have access. You can also set the specific date and time in which you want the quizzes to open and close. At the end of each unit, unit quizzes will be administered. Quizzes are scored as the student answers each question. You will be provided with a grade sheet.

What the Instructor Can Do With the Course

As an instructor you can:

- Add an activity
- Develop quizzes
- Create assignments
- Schedule a chat
- Create and post to a forum
- Develop a glossary
- Develop a lesson plan
- Develop a survey

You can add additional resources to the course including; inserting a label, composing a text page, composing a web page, linking to a file or web page, displaying a directory, or adding an IMS content package.

You can also import PDF files, Word documents, PowerPoint slides, pictures, images, etc. to enhance your course.

Tracking Your Class and Students within the Course

As an instructor you can track your class and students within the course, including when the student last accessed the course, information about the student and activity reports on what the student has completed.

The on-line course also provides an item analysis and gives you the frequency of correct and incorrect responses.

You can also add and send messages and notes to the students. The figures below show a sample of how to track your students in the course.

ADTSEA 101: Participants - Windows Internet Explorer

http://www.adtsea.org/moodle/user/index.php?contextid=1594

ADTSEA Instructor's Course - Moodle 101

ADTSEA > ADTSEA 101 > Participants

ADTSEA Instructor's Course - Moodle 101

Participants Blogs Notes

My courses: ADTSEA 101 Inactive for more than: Select period Current role: All User list: Less detailed

All participants: 18

(Accounts unused for more than 120 days are automatically unenrolled)

First name: All ABCDEFGHIJKLMNOPQRSTUVWXYZ
Surname: All ABCDEFGHIJKLMNOPQRSTUVWXYZ

User picture	First name / Surname	City/town	Country	Last access ↑	Select
	Christie Falgione	Indiana	United States	5 secs	<input type="checkbox"/>
	Kendall English	Evansville	United States	22 hours 21 mins	<input type="checkbox"/>
	Allen Robinson	Indiana	United States	31 days 21 hours	<input type="checkbox"/>
	Dan Coloma	Waipahu	United States	Never	<input type="checkbox"/>
	Kevin Kirby	Rhineland	United States	Never	<input type="checkbox"/>
	Tom Prefling	Phoenix	United States	Never	<input type="checkbox"/>
	Gay Ching	Peral City	United States	Never	<input type="checkbox"/>
	Bobby Duque	Kanehoe	United States	Never	<input type="checkbox"/>
	Waynette Mitchell	Honolulu	United States	Never	<input type="checkbox"/>
	Fred Nagao	Honolulu	United States	Never	<input type="checkbox"/>

BR 101: Activity report (outline) - Windows Internet Explorer

http://www.adtsea.org/moodle/course/user.php?id=11&userid=57&mode=outline

Brett's Course 101

ADTSEA > BR 101 > Participants > Christie Falgione > Activity report > Outline

You are logged in as Brett Robinson (Logout)

Christie Falgione

Profile Edit profile Forum posts Blog Notes Activity reports Roles

Outline report Complete report Today's logs All logs Grade

Topic 0

News forum

- General Survey Done Tuesday, 11 January 2011, 02:23 PM (21 days 23 hours)
- General Survey #2 Done Tuesday, 11 January 2011, 02:30 PM (21 days 23 hours)
- Driving Quiz Grade: 8.00 / 10.00 Tuesday, 11 January 2011, 02:16 PM (22 days)

Topic 1

- Risk management 1 views Tuesday, 11 January 2011, 01:46 PM (22 days)
- Unit 1 Quiz Grade: 5.00 / 7.00 Tuesday, 11 January 2011, 02:36 PM (21 days 23 hours)

Topic 2

- Occupant Restraint 2 views Tuesday, 11 January 2011, 03:15 PM (21 days 23 hours)
- Vehicle operating space 1 views Tuesday, 11 January 2011, 03:15 PM (21 days 23 hours)
- Pre-entry and preparing to drive checklists -
- Operational and vehicle control devices -
- Mirror usage -
- Safety, communication, comfort, and convenience devices -

Instructor Training

Instructor training is provided on-line to members of ADTSEA and is free of charge. If you are not a member of ADTSEA you can go to our website www.adtsea.org or call 724-801-8246 to become one. As part of the training you will complete the ADTSEA course by reading the course content and completing the quizzes as a student would. Then at the end of the course you will complete additional units, which will give you guidance on how to use the course as an instructor. The training is self-paced and you can complete it on your own time. Training support will be provided through ADTSEA, as needed, as you complete the on-line instructor training.

We also provide a two day course, which can be conducted at your facility. The fee for the course is \$3,200 plus travel expenses.

Costs

As an instructor, you must be a current member of ADTSEA. ADTSEA Membership starts at an annual fee of \$50. To become a member go to our website www.adtsea.org or call 724-801-8246, toll free 877-485-7172. There is also a \$10 instructor code fee for each instructor of the course. Each student must pay \$10 to enroll in the course for a maximum of 25 students per course.

State Approval

We will work with you to get approval from your State to use ADTSEA's On-Line Driver Education Program.

How to Sign Up

To sign up for the ADTSEA On-Line Driver Education Program, Instructor Training or for technical support contact:

Christie Falgione
ADTSEA
724-349-7233
christie@adtsea.org

or Brett Robinson
Executive Director - ADTSEA
724-349-7233
brett@adtsea.org