

ADTSEA 3.0 Driver Education Curriculum Outline

Unit 1 – 3 Hours

12 Slides, 1 Video

Introduction to Novice Driver Responsibilities and the Licensing System

- I. Introduction to Course
 - A. Introduction
 - 1. School administrators
 - 2. School instructors
 - B. Purpose of Orientation
 - 1. Introduce Staff
 - 2. Explain School Policies
 - 3. Acquaint Students and Parent/Guardian/Mentor with Driver Education Course
 - 4. Distribute Course Materials
 - C. Course Information
 - D. Program Goals
- II. School In-car Plan and Skills Log
- III. Communication Guidelines
 - A. Student/instructor
 - B. Student/parent/guardian/mentor
 - C. Parent/guardian/mentor/instructor
- IV. State Driver Education Program and Licensing System Requirements
 - A. State Driver Education Program Requirements
 - 1. Successful completion of the course
 - B. Overview of Your State's Licensing System Requirements
 - 1. Learner's permit
 - 2. Intermediate driver's license (if applicable)
 - 3. Full driver's license
 - 4. GDL requirement
 - C. Why GDL is Needed
- V. Risk and Risk-taking
 - A. Definition
 - B. Characteristics
 - C. Risk Perception
 - D. Risk Management
- VI. Reading Assignment
- VII. Unit Review and Test

Unit 2 – 2 Hours
51 Slides, 5 Videos
Getting Acquainted with the Vehicle

- I. Pre-entry Checks
- II. The Area Around the Vehicle
- III. Safety Restraints
 - A. Adults and Teens
 - 1. Safety belts
 - 2. Head restraints
 - 3. Air bags (dash and steering wheel)
 - 4. Side impact air bags
 - B. Children and Youth
 - 1. Back seat
 - 2. Infant/rear-facing seats
 - 3. Toddlers/forward facing car seats
 - 4. Children/booster seats
 - 5. Lower anchors and tethers for children (LATCH)
 - C. Myths and Facts
 - D. Advances in Vehicle Safety for Today and Tomorrow
 - E. New Advances in Vehicle Safety for Tomorrow
- IV. Safety, Communication, Comfort, Convenience and Control Devices
 - A. Safety Communication, Comfort and Convenience Devices
 - B. Operating Vehicle Control Devices
 - C. Control and Information Device Symbols
 - D. Instrument Panel
- V. Pre-drive Procedures, Mirrors and Blind Spots
 - A. Pre-drive Procedures
 - 1. Lock doors
 - 2. Adjust seat, mirrors and head restraint
 - 3. Fasten safety belt
 - B. Mirror Settings
 - 1. Traditional
 - 2. Enhanced
 - 3. Advantages
 - 4. Setting Mirrors
 - 5. Concerns
 - 6. Mirror Usage

- VI. Vehicle Reference Points
 - A. Reference Point
 - B. Standard Reference Point
 - 1. Front Reference Point
 - 2. Rear Reference Point
 - 3. Right Side Reference Point
 - 4. Left Side Reference Point
 - C. Personal Reference Point

- VII. Vehicle Owner's Manual
 - A. Purpose
 - B. Location

VIII. Reading Assignment

- IX. Unit Review and Test

**Unit 3 – 2 hours
26 Slides, 5 Videos**

Understanding Vehicle Control: Starting, Steering and Stopping

- I. Starting the Engine and Moving the Vehicle Forward
 - A. Starting Procedures
 - 1. Parking Brake
 - 2. Foot Brake
 - 3. Gear Selection
 - 4. Ignition
 - 5. Engine Idle
 - 6. Ignition to Start
 - a) Gauges
 - b) Accessories
 - 7. Headlights
 - B. Moving the Vehicle Forward
 - 1. Gear Selection
 - 2. Parking Brake
 - 3. Check Mirrors
 - 4. Signal
 - 5. Brake Release
 - 6. Look along Intended Path of Travel
 - 7. Steer as Needed
 - 8. Cancel Signal
 - C. Accelerating
 - 1. Three Types of Acceleration
 - a) Engine Acceleration
 - b) Light Acceleration
 - c) Aggressive Acceleration

II. Steering

- A. Hand Position
 - B. Steering Techniques
 - 1. Hand-to-hand or push/pull steering
 - 2. Hand-over-hand steering
- III. Moving to Curb/Side of Road and Entering the Roadway from a Curb
- A. Entering a Roadway from a Curb
 - 1. Signal and Check Traffic
 - 2. Identify Gap
 - 3. Look to Intended Path of Travel
 - 4. Release Brake and Accelerate
 - 5. Steer
 - 6. Cancel Signal
 - 7. Check for Users to Side
 - 8. Check Mirrors
 - 9. Visual Search Ahead
 - B. Moving to Curb/Side of Road
 - 1. Identify Place to Park
 - 2. Check Mirrors
 - 3. Signal
 - 4. Release Accelerator
 - 5. Tap Brake Pedal
 - 6. Press Brake Pedal
 - 7. Steer Toward Curb
 - 8. Use Reference Points
 - 9. Apply Firm Pressure
 - 10. Center Between Lines
- IV. Stopping and Securing the Vehicle
- A. Stopping the Vehicle
 - 1. Three Levels of Braking
 - a) Coasting
 - b) Controlled Braking
 - c) Threshold Braking
 - 2. Check Traffic
 - 3. Ease off Accelerator
 - 4. Tap Brake
 - 5. Press Down on Brake
 - 6. Shift to PARK
 - B. Securing the Vehicle
 - 1. Complete Stop
 - 2. Parking Brake
 - 3. Gear Selection
 - 4. Turn Off Accessories
 - 5. Ignition to Lock
 - 6. Unfasten Safety Belt
 - 7. Check Traffic and Lock Doors
- V. Backing

- A. Backing Straight
 - 1. Traffic Check
 - 2. Foot Brake
 - 3. Gear Selection
 - 4. Steering Position
 - 5. Body Position
 - 6. Searching
 - 7. Control Movements
 - 8. Release Accelerator
 - 9. Look to Rear
- B. Backing and Turning
 - 1. Traffic Check
 - 2. Foot Brake
 - 3. Gear Selection
 - 4. Signal
 - 5. Steering Position
 - 6. Body Position
 - 7. Searching
 - 8. Control Movements
 - 9. Steering Direction
 - 10. Release Accelerator
 - 11. Look to Rear

VI. Reading Assignment

VII. Unit Review and Test

Unit 4 – 2 hours
42 Slides, 1 Video
Traffic Control Devices and Laws

- I. Definition and Purpose of Traffic Control Devices
 - A. Communication Modes
- II. Traffic Signs
 - A. Color
 - B. Shape
 - C. Type
- III. Traffic Signals
 - A. Pedestrian Signals
- IV. Pavement Markings
 - A. Yellow Lines
 - B. White Lines
 - C. Shared Left-turn Lanes
 - D. Reversible Lanes
 - E. Reserved or Restricted Lanes
 - F. Other Pavement Markings
- V. Traffic and Vehicle Laws

VI. Reading Assignment

VII. Unit Review and Test

Unit 5 – 6 hours
119 Slides, 6 Videos
Vision and Space Management

- I. Vision and Perception Requirements
 - A. The Importance of Vision
 - B. Three Types of Vision
 - C. Vision Terms

- II. Vehicle Operating Space
 - A. Space Cushion Around Your Vehicle
 - 1. Space Ahead
 - 2. Space to the Sides
 - 3. Space Behind

- III. Stopping Distance

- IV. Space Management System (SEE)
 - A. Search
 - 1. Search Ahead
 - 2. Search to the Sides
 - 3. Look Behind
 - 4. Where to Search
 - 5. When to Search
 - 6. How to Search
 - 7. What to Search For
 - 8. Eye Habits for Vehicle Control
 - 9. Searching Habits for Identification
 - B. Evaluate
 - 1. Potential and Critical Risks
 - 2. Selecting the Best Path of Travel
 - 3. Using the Basics
 - C. Execute
 - 1. Adjusting Your Speed
 - 2. Adjusting Your Position and/or Direction
 - 3. Communicating Your Intentions

- V. Lane Positions and Making Safe Lane Position Choices

- VI. Divided Attention / Multi-tasking

VII. Reading Assignment

VIII. Unit Review and Test

Unit 6 – 5 hours
51 Slides, 6 Videos
Basic Maneuvers in a Low-Risk Environment

- I. Natural Laws and Traction
 - A. Physical Laws that Affect Car Crashes
 - B. Crashworthiness
 - C. Road Surface and Traction
 - D. Inertia
 - E. Gravity
 - F. Vehicle Suspension, Balance and Traction

- II. Intersections
 - A. Approaching and Entering Intersections
 - B. Stopping at Intersections
 - C. Where to Stop at Intersections
 - D. Turning at Intersections
 - E. Multi-Lane Intersections

- III. Changing Lanes
 - A. Problems Associated with Changing Lanes

- IV. Turning Around
 - A. Turning Around to the Left and Right
 - B. Three-Point Turnabout
 - C. U-Turns

- V. Parking
 - A. Hill Parking
 - B. Angle Parking
 - C. Perpendicular Parking
 - D. Parallel Parking

- VI. Passing and Being Passed
 - A. Illegal to Pass
 - B. Estimating Passing Gap Needs
 - C. Passing Procedures
 - D. Being Passed

VII. Reading Assignment

VIII. Unit Review and Test

Unit 7 – 4 hours

51 Slides, 2 Videos
Risk Reducing Strategies for Different Driving Environments

- I. Expressway Driving
 - A. Characteristics
 - B. Types of Interchanges
 - C. Entering
 - D. General Problems Associated
 - E. Driving on the Expressway
 - F. Lane Changes on the Expressway
 - G. Passing on the Expressway
 - H. Exiting
 - I. Special Expressway Conditions

- II. Urban Roadways
 - A. Characteristics
 - B. Adjusting To
 - C. General Problems Associated
 - D. Driving on Urban Roadways
 - E. Shared Left-turn Lanes
 - F. Driving in Moderate to Heavy Traffic
 - G. Special Urban Situations

- III. Rural Roadways
 - A. Characteristics
 - B. Adjusting To
 - C. General Problems Associated
 - D. Driving on Rural Roadways
 - E. Driving Through Curves
 - F. Driving Over Hills
 - G. Special Rural Road Conditions

- IV. Laws Specific to Different Driving Environments

- V. Reading Assignment

- VI. Unit Review and Test

Unit 8 – 4 hours

43 Slides, 5 Videos
Sharing the Road with Other Users

- I. The Importance of Sharing the Road with Other Users
- II. Sharing the Road with Pedestrians
- III. Sharing the Road with Bicycles
- IV. Sharing the Road with Motorcycles, Mopeds and Scooters
- V. Sharing the Road with Large Vehicles
 - A. Warning and Regulatory Signs for Large Vehicles
 - B. Hazardous Materials and Large Vehicles
 - C. Large Trucks and Stopping Distance
 - D. Passing and Meeting Large Trucks
 - E. Following Large Vehicles
 - F. Turning in Front of
 - G. Off-tracking
 - H. No-Zones
 - I. Truck Escape Ramps
 - J. Improving Your Road Sharing Skills with Large Vehicles
- VI. Sharing the Road with Emergency Vehicles
 - A. Move-over Laws
 - B. Police/Traffic Stops
- VII. Sharing the Road with Trains and Public Transportation
- VIII. Sharing the Road with Construction Vehicles and Work Zones
- IX. Reading Assignment
- X. Unit Review and Test

Unit 9 – 3 hours

32 Slides, 4 Videos
The Effects of Distractions on Driving

- I. Definition, Effects and Nature of Distracted Driving
- II. Potential Distractions Inside the Vehicle
 - A. Types
 - B. Cell Phones
 - 1. Potential Dangers While Driving
 - 2. Potential Benefits in Vehicles
 - 3. Text Messaging
 - 4. Audio and Navigation Systems
 - 5. Vehicle Passengers
- III. Potential Distractions Outside the Vehicle
 - A. Types
- IV. Preventing Distractions Before Driving
- V. Addressing Distractions While Driving
- VI. Spreading the Word on the Dangers of Distracted Driving
- VII. Reading Assignment
- VIII. Unit Review and Test

Unit 10 – 5 hours
52 Slides, 7 Videos
Adverse Driving Conditions and Emergencies

- I. Changing Weather and Conditions of Visibility
 - A. Driving at Night
 - B. Visibility Limited by Rain and Snow
 - C. Visibility Limited by Glare
 - D. Visibility Limited by Fog
 - E. Strong Winds
- II. Advanced Automotive Technology
- III. Changing Traction Conditions
 - A. Traction and Preventing Loss of Traction
 - B. Traction Loss
 - C. Hydroplaning
- IV. Emergency Recovery

- A. Detecting Traction Loss
 - B. Skidding
 - 1. Causes of Skids
 - 2. Preventing Skids
 - 3. Responding to Skids
 - C. Types of Skids and Recovery Techniques
 - 1. Front-wheel Skid
 - 2. Rear-wheel Skid
 - D. Run-Off the Road Crashes
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- V. Controlling the Consequences of a Crash
 - A. Evasive Maneuvers
 - 1. Evasive Steering
 - 2. Evasive Braking
 - 3. Evasive Acceleration
 - B. How to Minimize the Consequences of a Collision
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- VI. Vehicle Malfunctions
 - A. Dashboard Warning Symbols
 - B. Vehicle Failures
 - 1. Tire Blowout
 - 2. Accelerator Failure
 - 3. Brake Failure
 - 4. Engine Failure
 - 5. Power Steering Failure
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- VII. Collision Reporting
 - A. What to do at a Crash Scene
 - B. Your State's Vehicle Laws
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- VIII. Reading Assignment
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- IX. Unit Review and Test

Unit 11 – 4 hours
18 Slides, 1 Video
Impaired Driving

- I. The Responsibility to Say “No”
 - A. Consequences of Using Alcohol or Other Drugs and Driving
 - B. Stopping Another Person from Driving Drunk
 - C. Alternatives to Drinking and Driving
- II. Alcohol-Related Traffic Crash Problem
 - A. Nature of the Alcohol-Related Traffic Crash Problem
- III. State Alcohol Laws and Penalties
- IV. Effects and Elimination of Alcohol
 - A. Effects of Alcohol on Space Management
 - B. Factors that Affect BAC Level
 - C. Greater Risk Taking after Drinking
 - D. Common Signs of the Drinking Driver
 - E. Elimination of Alcohol
- V. Effects of Drugs Other than Alcohol on the Driving Task
 - A. Drugs Other than Alcohol
 - B. Effects of Drugs Other than Alcohol on the Driving Task
 - C. Effects of Marijuana
- VI. Reading Assignment
- VII. Unit Review and Test

Unit 12 – 3 hours
30 Slides, 2 Videos
The Effects of Fatigue and Emotions on Driving

- I. The Causes and Effects of Fatigue
 - A. Definition
 - B. Causes
 - C. Effects
 - D. Risks
 - E. Who is Most at Risk
 - F. Warning Signs of Fatigue
 - G. Preventing Drowsiness and Maintaining Alertness
- II. Emotions that Can Affect Driving Behavior
 - A. Emotions
 - B. General Effects of Emotions
 - C. Physical Effects of Emotions
 - D. Controlling Emotions

- E. Passengers and Emotions
- III. Aggressive Driving and Road Rage
 - A. Aggressive Driving
 - B. Road Rage
 - C. Formula for Road Rage
 - D. Types of Aggression
 - 1. Verbal Aggression
 - 2. Quiet Aggression
 - 3. Epic Aggression
 - E. Degrees of Aggression
 - 1. The “Rush-in” area
 - 2. The “Total aggression” area
 - 3. The “Violence” area
- IV. Strategies for Anger Management and Responding to Aggressive Driving and Road Rage
 - A. Self-Imposed Anxieties and Dangerous Reactions/Maneuvers
 - B. Reducing Your Stress
 - C. Don’t Trigger Aggression in Others
 - D. Dealing with Anger
- V. Reading Assignment
- VI. Unit Review and Test

Unit 13 – 2 hours
25 Slides, 2 Videos

Travel Planning, Loading, Towing and Driving Special Vehicles

- I. Travel Planning
 - A. Preparing for Any Trip
 - 1. Plan the Route
 - 2. Prepare the Vehicle
 - 3. Routine Maintenance
 - 4. Load the Vehicle
 - 5. Pack Emergency Equipment
 - B. Preparing the Driver for a Trip
- II. Towing and Driving Special Vehicles
 - A. Handling Large Vehicles
 - B. Handling Special Vehicles
 - C. Backing a Trailer
- III. Equipment, Connecting and Loading a Trailer Properly
 - A. Basic Equipment for Towing
 - B. Connecting and Disconnecting a Trailer
 - C. Loading a Trailer Properly

IV. Reading Assignment

V. Unit Review and Test