



ADED

The Association for Driver
Rehabilitation Specialists

The Impact of Disability, Vision and Aging on Driving

Course Description

This 2-day course provides a broad overview of medical conditions and the driver rehabilitation process. The course is designed for healthcare providers starting or advancing a driver rehabilitation program. Traffic safety/driver education professionals may also benefit from the information that they can apply to their practice. Topics include: acquired, congenital, developmental and progressive disabilities; visual impairments, and the aging process as they affect driving; driver assessment and training; adaptive driver equipment, vehicle modifications and driver licensing issues.

Goals/Objectives

By the end of this program, participants will be able to:

- Differentiate and describe the differences between acquired, congenital developmental and progressive types of disabilities;
- Identify and analyze the effects of age-related changes, disabilities and visual impairments on driving
- List alternative community mobility and transportation options
- Recognize the driver assessment process and implications of disabilities and medical conditions for driver assessment, training and vehicle modification;
- Identify adaptive driving equipment and/or interventions and vehicle modifications;
- Identify and discuss solutions for appropriate driver licensing

Type of Activity:

Live

Content Level:

Introductory / Intermediate

Course Audience:

Allied Health Professionals
Driving Instructors

Content Focus:

Domain of OT – Areas of Occupation
Occupational Therapy Process - Evaluation

Keywords:

Community Mobility
Driving
Older driver
Vision and disability

Outline

Introduction: Principles to consider

1. Disabilities and Driving Overview
2. Assessment
 - a. Client Assessment
 - b. Behind the Wheel Evaluation
 - c. Drivers Training
 - d. Vehicle and Equipment Assessment
 - e. Prescription/equipment Recommendations
 - f. Final Vehicle Fitting
3. Acquired Disabilities
 - a. Amputation
 - b. Arthritis
 - c. Acquired Brain Injury
 - o CVA
 - o TBI
 - o Concussion
 - d. Spinal Cord Injury
4. Progressive Disabilities
 - a. Dementia
 - b. Peripheral Neuropathy
 - c. Multiple Sclerosis
 - d. Muscular Dystrophy
 - e. Parkinson's Disease
5. Congenital and Developmental Disabilities
 - a. Cerebral Palsy
 - b. Spina Bifida
 - c. Dwarfism
 - d. ADD/ADHD
 - e. Autism Spectrum Disorders
 - f. Learning Disability
 - g. Hearing Impaired/Deaf
6. Vision and Driving
 - a. Anatomy of the Eye
 - b. Eye movement
 - c. Normal Visual Function
 - d. Problems that Affect Vision
 - e. Eye Diseases and Disorders Affecting Vision
 - f. Clinical Assessment of Vision
 - g. Visual Deficits and the Driving Evaluation
 - h. Training and Remediation Techniques for Driving with Visual Deficits
7. The Older Driver
 - a. Why are older drivers a separate population?
 - b. Driver statistics for the older driver
 - c. Age Related Physiological Changes
 - d. Self-Assessment Tools
 - e. Clinical Assessment of the Older Driver
 - f. Adaptive equipment options
 - g. Transportation of mobility Equipment
 - h. Behind the Wheel Assessment of the Older Driver
 - i. Familiar Routes
 - ii. Driving Skills
 - i. Alternative Transportation options
 - j. Resources

Course agenda

Day One

8:00 a.m. – 9:00 a.m.	Course Introduction Disabilities and Driving Overview Assessment
9:00 a.m. – 10:30 a.m.	Disabilities and driving--acquired disabilities
10:30 a.m. – 10:45 a.m.	Break
10:45 a.m. –12:00 p.m.	Disabilities and driving--progressive disabilities
12:00 p.m. – 1:00 p.m.	Lunch
1:00 a.m. – 2:00 p.m.	Disabilities and driving—congenital or developmental disabilities
2:00 p.m. – 2:45 p.m.	Anatomy of the eye
2:45 p.m. – 3:00 p.m.	Break
3:00 p.m. – 4:00 p.m.	Overview of normal visual function
4:00 p.m. – 5:00 p.m.	Problems that affect vision

Day Two

8:00 a.m. – 9:30 a.m.	Eye diseases and disorders affecting vision
9:30 a.m. – 10:30 a.m.	Clinical assessment of vision
10:30 a.m. – 10:45 a.m.	Break
10:45 a.m.—12:00 p.m.	Training and remediation techniques for driving with visual deficits
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 2:45 p.m.	Driver rehabilitation and the older driver
2:45 p.m. – 3:00 p.m.	Break
3:00 p.m. – 4:00 p.m.	Driver rehabilitation and the older driver
4:00 p.m. – 5:00 p.m.	Driver rehabilitation and the older driver

Course Conclusion