Application of Adaptive Vehicle Modifications

Course Description

This 2-day course is ideal for those desiring knowledge of adaptive driving equipment as well as the process for prescribing and delivering such equipment to individuals with disabilities. Topics will cover adaptive driving equipment assessment, low tech equipment options, high tech driving systems, writing prescriptions, vehicle / equipment fitting and wheelchair passenger accommodations. The course also covers collaboration with local mobility equipment dealers and drivers for best-fit options.

Goals/Objectives

Upon completion of this program, participants will be able to:

• Analyze the taxonomy used in driver rehabilitation and vehicle modifications.
• Describe various client vehicle transfer options.
• Discuss key principles in driver positioning and vehicle fit.
• Compare and differentiate between low tech equipment and high tech driving systems.
• Analyze primary and secondary driving control modification options for drivers with various disabilities.
• Discuss documentation elements and best practice with respect to vehicle adaptations and adaptive vehicle prescription writing.
• Compare various mobility device stowage, securement and carrier options.
• Assess vehicle and equipment fitting.
• Develop effective collaboration with the mobility equipment dealer.
• Discuss key principles of securement for wheelchair dependent drivers and passengers.
Outline Application of Adaptive Vehicle Modifications

1  Introduction & Terminology
2  Spectrum of Driver Services
3  NMEDA Guidelines

4  Vehicle Entry/Egress (for ambulatory and semi-ambulatory)
5  Stowage and Securement of Mobility Devices
6  Positioning and Vehicle Fit (eye height)

LOW TECH

7  Primary Driving Controls
8  Secondary Driving Controls
9  Vision Enhancements

HIGH TECH

10 Vehicle Modifications
11 Primary Driving Controls
12 Secondary Driving Controls

13 Safety, Vehicle Fittings & Inspections
14 Documentation, Best Practices & Equipment Prescriptions
15 Case Studies
Course agenda

Day 1

8:00 a.m. - 9:00 a.m.          Introduction & Terminology
9:00 a.m. - 10:00 a.m.        Spectrum of Driver Services
10:00 a.m. - 10:15 a.m.       Break
10:15 a.m. - 11:15 a.m.       NMEDA Guidelines
11:15 a.m. - 12:00 p.m.       Vehicle Entry/Egress (for ambulatory and semi-ambulatory)
12:00 p.m. - 1:00 p.m.        Lunch
1:00 p.m. – 2:00 p.m.         Stowage and Securement of Mobility Devices
2:00 p.m. - 3:00 p.m.         Positioning and Vehicle Fit (eye height)
3:00 p.m. - 3:15 p.m.         Break
3:15 p.m. - 5:00 p.m.         Primary Driving Controls

Day 2

8:00 a.m. - 9:00 a.m.          Secondary Driving Controls
9:00 a.m. - 10:00 a.m.        Vision Enhancements
10:00 a.m. - 10:15 a.m.       Break
10:15 a.m. - 11:15 p.m.       Vehicle Modifications
11:15 a.m. - 12:00 p.m.       Primary Driving Controls
12:00 p.m. - 1:00 p.m.        Lunch
1:00 p.m. – 2:00 p.m.         Secondary Driving Controls
2:00 p.m. - 3:00 p.m.         Safety, Vehicle Fittings & Inspections
3:00 p.m. - 3:15 p.m.         Break
3:15 p.m. - 4:15 p.m.         Documentation, Best Practices & Equipment Prescriptions
4:15 p.m. - 5:00 p.m.         Case Studies
AOTA Information:

Type of Activity:
Live

Content Level:
Intermediate

Course Audience:
OT, OTA, Other

Content Focus:
Occupational Therapy Process - Intervention

Keywords:
Wheelchair Mobility
Driver Rehabilitation
Adaptive Driving Equipment

Last Course Update: 7/2018