



Online Continuing Education Courses
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AOTA Approved Provider #4023

Course Title: Assistive Technologies 104

Course Subtitle: Technologies that Enable Mobility

Source: Assistive Technologies: Principles and Practice, 4th ed, by Albert Cook, PhD, PE and Janice Miller Polgar PhD, OT

Source Description: It's here: the latest edition of the one text you need to master assistive strategies, make confident clinical decisions, and help improve the quality of life for people with disabilities. Based on the Human Activity Assistive Technology (HAAT) model, Assistive Technologies: Principles and Practice, 4th Edition provides detailed coverage of the broad range of devices, services, and practices that comprise assistive technology, and focuses on the relationship between the human user and the assisted activity within specific contexts. Updated and expanded, this new edition features coverage of new ethical issues, more explicit applications of the HAAT model, and a variety of global issues highlighting technology applications and service delivery in developing countries.

View outline of content below for inclusive content and details regarding the Assistive Technologies 104 course.

Target Audience: OT/OTA and other healthcare professionals

Course Length: 3 hours

Course Author/Instructor: Albert Cook, PhD, PE and Janice Miller Polgar PhD, OT /Brown, MS, OTR/L

Educational Level: Introductory, Intermediate, Advanced

The course is written at the intermediate level, but learners of all levels will benefit from the information.

Course Objectives:

At the end of the course, participants will be able to:

- Identify the activity, human, and contextual influences on the use of wheeled mobility
- Describe the assessment of the consumer for a mobility system
- Describe the two primary structures of wheelchairs
- Identify the major characteristics of manual wheelchairs
- Describe the classifications of powered mobility systems and their characteristics

- Understand the influence of the relationship between the center of gravity of the user and the center of mass of the wheelchair on the function of the wheelchair
- Describe the key elements of implementation and training for the use of wheeled mobility devices
- Identify standardized assessments that are specific to use of wheeled mobility devices

Outline of Content:

Hour #1

Activity Component

Human Component

Disorders Resulting in Mobility Impairments

Mobility Issues Across the Lifespan

Mobility and Obesity

Context Components

Physical Context

Social Context

Cultural Context

Institutional Context

Hour #2

Assessment for Wheeled Mobility

Needs Assessment

Assessment of the Human Factors

Assessment of the Context

Assistive Technology

Supporting Structure

Frame Types

Propelling Structure: Manual

Propelling Structure: Powered

Specialized Bases for Manual Wheelchairs

Specialized Bases for Powered Wheelchairs

Smart Wheelchairs

Hour #3

Wheelchair Standards

Implementation and Training for Manual
and Powered Mobility

Fitting of Mobility Systems

Maintenance and Repair of Personal Mobility Systems

Developing Mobility Skills for Manual and Powered Systems

Outcome Evaluation

Outcome Evaluation Instruments

Outcomes of Wheeled Mobility Device Use

Summary

Course Completion Requirements:

A minimum passing score of 100% is required for course completion. You will have as many attempts as needed until your passing score of 100% is achieved. Upon successful completion of the course, you will receive your certificate of completion and AOTA eligible CEUs.

AOTA Classification Codes:

Category 1: Domain of OT

Category 2: Occupational Therapy Process

Category 3: Professional Issues

Additional Policies:

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