



Online Continuing Education Courses
www.OnlineCE.com



AOTA Approved Provider #4023

Course Title: Assistive Technologies 107

Course Subtitle: Enabling Function and Participation with Seating Technologies

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 107 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 potential outcomes of seating for postural control, tissue integrity, and comfort
- Describe a comprehensive seating assessment
- Describe key biomechanical principles related to sitting and seating technologies
- Describe the principles of seating for postural control
- Describe the factors that contribute to the development of pressure ulcers
- Discuss pressure mapping systems and the issues related to their use in the clinic

- Describe seating technologies used for tissue integrity
- Discuss the principles of seating for comfort
- Discuss the design and construction of seating technologies
- Describe the different characteristics of seating materials
- Discuss the different classifications of materials used to construct seats
- Describe the purpose and content of outcome measures specific to seating technologies

Outline of Content:

Hour #1

Introduction

Activity

Human

Postural Control

Tissue Integrity and Pressure Redistribution

Comfort

Context

Physical Context

Social Context

Institutional Context

Hour #2

Assistive Technologies for Seating and Positioning

Biomechanical Principles

Sitting Posture and Center of Pressure

Seating Technologies

Design and Construction of Seating Systems

Properties of Materials Used to Construct Seating Systems

Classification of Support Surface Technologies

Cushion Covers

Seating Assessment

Needs Identification

Standardized Measures

Activity

Hour #3

Human Factors

Context Factors

Matching Device Characteristics to a Consumer's

Needs and Skills

Intervention

Principles of Seating for Postural Control

Principles of Seating for Tissue Integrity

Principles of Seating for Comfort

Outcome Evaluation

Pelvic Stabilization
Reach
Pressure Redistribution Cushions
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:

OnlineCE Policies are available by clicking on the tab – Policies – located in the left-hand navigation bar.

OnlineCE.com is an AOTA Approved Provider of continuing education. AOTA does not endorse specific course content, products, or clinical procedures.