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AOTA Approved Provider #4023

Course Title: Assistive Technologies 108

Course Subtitle: Making the Connection: User Inputs for Assistive Technology

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 108 course.

Target Audience: OT/OTA and other healthcare professionals

Course Length: 1 hour

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:

- Describe the elements of the human/technology interface and its role within the assistive technology component of the Human Activity Assistive Technology model
- Describe the ways that various anatomic sites can be used to control assistive technologies
- Identify and define the basic selection methods
- Describe the means by which the user's physical control can be enhanced

- Describe the major approaches to electronic speech generation used in ATs
- Discuss the outcomes that can be achieved through implementation of a motor training program and how technology can be used to improve motor response

Outline of Content:

Hour #1

Activity: Enabling Participation
 Human: Anatomic Sites for Control of Assistive Technologies
 Assistive Technology: Connecting the User to the Technology
 Elements of the Human/Technology Interface
 The Processor: Connecting the Control Interface to the Desired Activity Output
 Direct Selection
 Indirect Selection
 Rate Enhancement
 Speech: a Human/Technology Interface Output
 Digital Recording
 Speech Synthesis
 Text-to-Speech Programs
 Audio Considerations
 Telephone Use
 Context
 Assessment
 Functional Movement Evaluation
 A Clinically Based Framework for Determining Optimal Anatomic Site for Accessing a Control Interface
 Outcomes
 Optimal Control Sites
 Development of Skills for the Use of Control Interfaces
 Training and Practice to Develop Motor Control
 Developing Scanning Skills
 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.

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