



Online Continuing Education Courses
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AOTA Approved Provider #4023

Course Title: Assistive Technologies 122

Course Subtitle: Sensory Aids for Persons with Visual Impairments

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 122 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:

- Describe the major approaches to sensory substitution for visual function, including the advantages and disadvantages of each
- Describe the major causes of vision loss that can be aided by assistive technologies
- Describe device use for reading and mobility by persons who have visual impairment
- Describe how computer outputs are adapted for individuals with visual limitations

- Describe the major approaches to creating visual access for mobile technologies
- Describe the major approaches to Internet access for persons with visual impairments
- Describe the contextual factors that affect assistive technologies for visual impairment
- Describe the major assessments of visual function that are relevant to assistive technology use

Outline of Content:

Hour #1

Activity Component
 Impact of Vision Loss on Activity
 Studies of Computer Use by Adults with Visual Impairments
 Human Component
 Common Visual Disorders
 Assistive Technologies for Vision
 Fundamental Approaches to Sensory Aids
 Reading Aids for Persons with Visual Impairments

Hour #2

Making Mainstream Technologies Accessible for Individuals Who Have Low Vision or Are Blind
 Computer Adaptations for Visual Impairments
 Access to Mobile Phones and Tablets for Individuals with Low Vision or Blindness
 Visual Access to the Internet
 Mobility and Orientation Aids for Persons with Visual Impairments
 Canes
 Alternative Mobility Devices

Hour #3

Electronic Travel Aids for Obstacle Detection, Orientation, and Mobility
 Navigation Aids for the Blind
 Special-Purpose Visual Aids
 Context Component
 Assessment
 Visual Function
 Orientation and Mobility Assessment
 Outcomes

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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