



Course Title: Assistive Technology 122 - 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 Type: Video vs. Text-based

Educational Level: Beginner, Intermediate, Advanced

CE Hours: 3 contact hour / .3 ceu

Course Prerequisites: None

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

Learning Objectives:

- 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

Agenda:

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 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 course and completing a satisfaction survey, you will receive your certificate of completion.

Additional Course Information

Course Registration: Register for Free at www.OnlineCE.com. Once registered, you can begin to purchase courses. Contact info@onlinece.com for special needs requests and assistance.

Refund Policy: There will be no refunds for courses taken at OnlineCE.com or monies deposited into My CE Bank. Any money on account will be used for taking future courses. If you start a course in error, or if you are dissatisfied with a course, please contact us in the first part of the course and we will void the course and you can select a replacement course.

Cancellation Policy: Only available courses are offered online and on-demand and available for purchase. No registration fees are collected for courses that are not provided on-demand. Due to the online and on demand format, courses are not cancelled.

Course Date and Location: This is an independent course that is available 24/7 on-demand at www.OnlineCE.com.

Required Materials and Equipment: Courses offered on OnlineCE.com can be accessed on any type of computer or device. No special software is required but we do recommend the use of

the Chrome Browser (recommended, not required). All course materials are contained within the courses and no prerequisites are required.



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