COURSE INFORMATION FORM

DISCIPLINE

Occupational Therapy Assistant

COURSE TITLE

Assistive Technology

CR.HR 2  LECT HR. 1  LAB HR. 2  CLIN/INTERN HR.  C钟CLOCK HR. 

CATALOG DESCRIPTION

Hands-on introduction to high tech assistive technology and augmentative communication.

PREREQUISITES

HLSC 108 or BIOL 109 or BIOL 110 & BIOL 210 with a grade of C or higher
EMS 100 with a grade of C or higher
OTHA 100, OTHA 102, OTHA 103, OTHA 106, OTHA 114 and OTHA 116 with a grade of C or higher

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Analyze research related to and locate sources for technology appropriate for those with a variety of special needs.
2. Demonstrate the appropriate use of software, peripherals and environmental control unit when tasks cannot be performed.
3. Demonstrate use of augmentative communication devices.
4. Demonstrate oral, written and computer skills as well as critical analysis problem solving and creativity regarding assistive technology.
5. Demonstrate the ability to analyze consumer positions, as well as the appropriate assistive technology to facilitate function.
6. Describe models of practice that underlie the practice of OT in Assistive Technology.
7. Adapt the environment, tools, materials and occupations to the needs of clients and their sociocultural context.
8. Exhibit the ability to use the teaching-learning process with peers, consumers, health professionals and the public.
9. Identify the use of technology in virtual environments as well as the application of telehealth technology.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Conduct screenings and evaluations related to occupational performance as appropriate with diverse populations
2. Develop and implement occupation based interventions appropriate to client needs
3. Demonstrate appreciation for ethics and values of the profession of OT

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

Written Exams and Quizzes (1, 2, 3, 4, 5, 6, 7, 8, 9)
Written Assignments (1, 8, 9)
Laboratory Activities (1, 2, 3, 4, 5, 7, 8)
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Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Introduction to Assistive Technology
   A. Low to High Technology Examples
   B. Frameworks for Applying Assistive Technologies
   C. Parts of the computer
   D. Public Laws Related to Assistive Technology

II. Introduction to Interfaces for Electronic Assistive Technologies
   A. Direct Selection
   B. Indirect Selection
   C. Scanning
   D. Switches
   E. Adaptions
   F. Toys

III. Computer Access by Persons with Disabilities
   A. Hardware
   B. Software
   C. Augmentative and Alternative Communication
   D. Environmental Controls

IV. Occupational Therapy and Assistive Technology
   A. Role of the OTA/Documentation
   B. Sources for Product Information
   C. Internet
   D. Community Resources
   E. Research
   F. Telehealth