

**ASSISTIVE TECHNOLOGY CERTIFICATE PROGRAM
DEPARTMENT OF DISABILITY AND HUMAN DEVELOPMENT**

TENTATIVE COURSE OFFERINGS - ACADEMIC YEAR 2012

Summer 2011 (June 13 - August 5, 2011)

DHD 441 (elective): Adaptive Equipment Design and Fabrication

Design theories, idea generation, fabrication machines, hand tool techniques, and appropriate materials are covered related to custom design and custom fabrication of low-tech adaptive equipment. Students work in the ATU shop during practice sessions, and in completing an individual project based on actual consumer request.

*Instructors Glenn Hedman, James Graham, and Kathy Hooyenga
Tuesdays and Thursdays, 1:00 - 4:00 pm, Room 448 DHSP*

DHD 444 (elective): Assistive Technology for Literacy, Learning and Participation in Pre-K through High School

This course includes weekly hands-on lab experience along with lectures and group projects. The emphasis is on learning how to use a variety of assistive technology software and techniques that can be used to make academic curriculum available for all learners. Literacy and writing software are covered extensively. Assessment techniques for diverse learners are presented.

**** This is a blended course, which combines face-to-face and online sessions. Students must attend the 1st session in person. ****

*Instructor Jan Marsden-Johnson
Mondays and Wednesdays, 9:00 am - 12:00 pm, Room 448 DHSP*

Fall 2011 (August 22 - December 9, 2011)

DHD 440 (required for first term): Introduction to Assistive Technology: Principles and Practice

An examination of best clinical practices and state-of-the-art Assistive Technology devices, including the areas of Augmentative Communication, Cognitive Technologies, Computer Access, Environmental Control, Home Modification, Orthotics and Prosthetics, Seating and Wheeled Mobility, and Worksite Modification. Funding and Outcomes Measurement with respect to each area also included.

**** online course ****

Instructor Glenn Hedman

DHD 551 (required for final term): Computers, Communication and Controls in Rehabilitation Technology

Prerequisite: DHD 440

Assistive technology course exploring different methods for evaluating controls used to operate computers, communication devices and powered wheelchairs. Instruction also addresses device features and integration factors.

*Instructors Kathy Hooyenga and Patricia Politano
Tuesdays, 5:00 - 8:00 pm, Room 448 DHSP*

Spring 2012 (January 9 - May 4, 2012)

DHD 552 (elective): Seating and Wheeled Mobility

Prerequisite: DHD 440

This course provides the student with detailed information on the issues of wheelchair seating, positioning and mobility for children and adults with physical disabilities. Emphasis is placed on evaluating for a consumer's need and identifying the appropriate technology to match those needs. Course content includes in depth information on assessment procedures and technology selection. The student will participate in significant hands-on experiences with the technology presented as a means to understand the capabilities and potential applications. Current research related to seating and wheeled mobility is included throughout the course. Funding sources and associated guidelines are also covered.

Instructors Brenda Sposato and Patricia Politano

Wednesdays, 5:15 - 8:15 pm, Room 448 DHSP

DHD 554 (elective): Augmentative Communication Assessment

Prerequisite: DHD 440

This course covers a range of augmentative communication assessment strategies and evaluation materials utilizing case examples for discussion of specific approaches for different ages, disabilities, and settings. Special topics include vocabulary selection, communication display design, features of electronic communication aids, funding speech-generating devices, strategies for beginning communicators and partners, vision issues and the relationship between behavior and communication for individuals with complex communication needs. Students work with a wide range of speech-generating devices to conduct feature analyses of systems and to gain hands-on experience using a variety of access methods, rate enhancement techniques and vocabulary expansion tools.

Instructor Patricia Politano

Mondays, 5:00 - 7:30 pm, Room 448 DHSP

Course logistics are subject to change. All courses will be taught in the Disability, Health and Social Policy (DHSP) building, located at 1640 West Roosevelt Road, Chicago. To register for the course(s), please visit the Office of Continuing Education website at www.oce.uic.edu.