

TEAS 4006/5006/7006 - Assistive Technology (AT) in Special Education
3 Credit Hours

Course Description:

This course gives an in-depth study of the various technologies utilized in special education and rehabilitation. Theories, goals and intervention strategies for developing and implementing educational environments with assistive technology (AT) for persons with disabilities will be discussed.

This course is available at the undergraduate and graduate levels. Undergraduate courses are listed as 4000-level courses; graduate courses are listed as 5000- or 6000-level courses according to university policy.

Course Outcomes:

Upon completion of the course, students will be:

1. Able to understand the appropriate use of computers and other technology in instructional Programming.
 - A. Difference in multimedia and hypermedia.
 - B. Definition of Assistive Technology (AT).
 - C. Knowledge of Augmentative and Alternative Communication (AAC).
 - D. Tech-Act 1988.
2. Able to integrate the use of Technology into the ongoing instructional program.
 - A. Assistive Technology.
 - B. Augmentative and Alternative Communication (AAC).
 - C. Software and web-based instruction.
3. Able to select and evaluate appropriate computer software.
4. Knowledge of various assistive technologies from low-tech to high- tech.
5. Able to develop a long range plan of assistive technology (AT) for individual students to address immediate needs as well as future goals and objectives.
 - A. AT and the facilitation of Written Expression.
 - B. AT and Individuals with Learning Disabilities and Language Impairments.
 - C. AT and Individuals with Vision and Hearing Impairments.
 - D. AT and Individuals with Physical Disabilities.
 - E. AT and IEP.

Prerequisites and Corequisites:

Admission to the Teachers Education program and graduate status.

Course Topics:

Technology in Special Education.

Specific Course Requirements:

FIELD/CLINICAL EXPERIENCES participation/observation is required.

As part of the class requirements, you are to visit a place where you can observe a professional (special education teacher, physical therapist, occupational therapist, doctor, etc.) using some type of assistive technology. Please know that you will not be able to receive a grade for this class until you have completed this assignment.

First: You must submit the location (center, hospital, PT, school, etc.) to me for approval (please provide the name, address, website if available, phone number, contact person, and a summary of the devices, equipment, etc., that you purpose to observe.

Second: Upon my approval, you must share the date and time for your observation.

Third: You must summarize your observation, the devices, and how the client reacted to using the device, etc., and the actual amount of time at the location.

Required Textbooks:

Please visit the [Virtual Bookstore](#) to obtain textbook information for this course. Move your cursor over the "Books" link in the navigation bar and select "Textbooks & Course Materials." Select your Program, Term, Department, and Course; then select "Submit."

Hardware and Software Requirements:

Minimum hardware requirements can be found [here](#).

Minimum software requirements can be found [here](#).

Common applications you might need:

To read a PDF file download the latest version of [Adobe Reader here](#)

Don't have Microsoft Word? Explore an alternative [OpenOffice here](#)

Accessing a PowerPoint file? Download the [PowerPoint Viewer here](#)

Web Resources:

Purdue [OWL Online Writing Lab](#) (for APA, MLA, or Chicago style)

The Writing Center [Online Writer's Handbook](#)

Student Resources:

- Technical support information can be found on the [TN eCampus Help Desk](#) page.
- Smarthinking virtual tutoring is available **FREE** of charge. to access Smarthinking, visit the course homepage and select Smarthinking under Course Resources. You also view [sample sessions](#) to see what Smarthinking offers and how it works.
- Information on other student issues or concerns can be located on the [TN eCampus Student Resources](#) page.

Instructor Information:

Please see "Instructor Information" in the Getting Started Module for instructor contact information, virtual office hours, and other communication information. You can expect to

receive a response from the instructor within 24-48 hours unless notified of extenuating circumstances.

Testing Procedures:

The assessment procedures for this course will consist of completion of readings, lectures, modules, discussions, evaluation of websites, final projects. Assessment of web based learning and use of technology will be an integral part of this course in addition.

Grading Procedures:

Each module will be graded on a point basis and a letter grade assigned according to the following scale: see grading scale presented in the class (scale is according to the semester, undergraduate, graduate).

Grading Scale:

The grading scale should emphasize assignments, projects, and student participation in the learning community as well as timed quizzes and periodic examinations.

Class Participation:

Students must participate in all interactive aspects of the course. For example, students must communicate with other students in the chat room, students are expected to communicate with the instructor as a learning resource, students must check the course bulletin board and calendar frequently for announcements, and students must actively participate in threaded discussion events.

Late Policy:

All assignment must be submitted by due dates unless approved to denote emergencies (approved prior to due date by instructor).

Course Ground Rules:

The following two statements (1., 2.) were derived from the TBR System-wide Student Rules document, released January 2012:

RULES OF THE TENNESSEE BOARD OF REGENTS STATE UNIVERSITY AND
COMMUNITY COLLEGE SYSTEM OF TENNESSEE SYSTEMWIDE STUDENT RULES
CHAPTER 0240-02-03 STUDENT CONDUCT AND DISCIPLINARY SANCTIONS

[Read the document in its entirety here.](#)

1. Standards of Conduct:

- Students are required to adhere to the same professional, legal and ethical standards of conduct online as on campus. In addition, students should conform to generally accepted standards of "netiquette" while sending e-mail, posting comments to the discussion board, and while participating in other means of communicating online. Specifically, students should refrain from inappropriate and/or offensive language, comments and actions.

2. [Review the TN eCampus Academic Integrity/Academic Honesty Policy:](#)

- In their academic activities, students are expected to maintain high standards of honesty and integrity. Academic dishonesty is prohibited.

Such conduct includes, but is not limited to:

- an attempt by one or more students to use unauthorized information in the taking of an exam
- to submit as one's own work, themes, reports, drawings, laboratory notes, computer programs, or other products prepared by another person,
- or to knowingly assist another student in obtaining or using unauthorized materials.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited.

Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are subject to disciplinary action through the regular procedures of the student's home institution. Refer to the student handbook provided by your home institution to review the student conduct policy.

In addition to other possible disciplinary sanctions that may be imposed, the instructor has the authority to assign an "F" or zero for an activity or to assign an "F" for the course.

Other Course Rules:

Students are expected to:

- Participate in all aspects of the course
- Communicate with other students
- Learn how to navigate in Brightspace
- Keep abreast of course announcements
- Use the assigned course management (Brightspace) email address rather than a personal email address
- Address technical problems immediately:
 - [Contact Technical Support](#)
 - [View Term Calendar here](#)
- Observe course netiquette at all times.

Guidelines for Communications:

Email:

- Always include a subject line.
- Remember without facial expressions some comments may be taken the wrong way. Be careful in wording your emails. Use of emoticons might be helpful in some cases.
- Use standard fonts.
- Do not send large attachments without permission.
- Special formatting such as centering, audio messages, tables, html, etc. should be avoided unless necessary to complete an assignment or other communication.
- Respect the privacy of other class members

Discussions:

- Review the discussion threads thoroughly before entering the discussion. Be a lurker then a discussant.
- Try to maintain threads by using the "Reply" button rather starting a new topic.
- Do not make insulting or inflammatory statements to other members of the discussion group. Be respectful of other's ideas.
- Be patient and read the comments of other group members thoroughly before entering your remarks.
- Be cooperative with group leaders in completing assigned tasks.
- Be positive and constructive in group discussions.
- Respond in a thoughtful and timely manner.

Library:

The [Tennessee Virtual Library](#) is available to all students enrolled in TN eCampus programs and courses. Links to library materials (such as electronic journals, databases, interlibrary loans, digital reserves, dictionaries, encyclopedias, maps, and librarian support) and Internet resources needed by learners to complete online assignments and as background reading will be included within the course modules. To access the Virtual Library, go to the course homepage and select the **Virtual Library** link under Course Resources.

Students with Disabilities:

Qualified students with disabilities will be provided reasonable and necessary academic

accommodations if determined eligible by the appropriate disability services staff at their home institution. Prior to granting disability accommodations in this course, the instructor must receive written verification of a student's eligibility for specific accommodations from the disability services staff at the home institution. It is the student's responsibility to initiate contact with their home institution's disability services staff and to follow the established procedures for having the accommodation notice sent to the instructor.

Syllabus Changes:

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on the course bulletin board.

Disclaimer

The information contained in this syllabus is for general information purposes only. While we endeavor to keep this information up-to-date and accurate, there may be some discrepancies between this syllabus and the one found in your online course. The syllabus of record is the one found in your online course. Please make sure you read the syllabus in your course at the beginning of the semester. Questions regarding course content should be directed to your instructor.