

**Course Outline**

**COURSE:** CSIS 638                      **DIVISION:** 30                      **ALSO LISTED AS:**

**TERM EFFECTIVE:** Fall 2021                      **CURRICULUM APPROVAL DATE:** 12/14/2021

**SHORT TITLE:** ACT LAB

**LONG TITLE:** Assistive Computer Technology Lab

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
0	18	Lecture:	0	0
		Lab:	1 TO 6	18 TO 108
		Other:	0	0
		Total:	1 TO 6	18 TO 108

**COURSE DESCRIPTION:**

Under the direction of the faculty in the High Tech Center, students will receive assistance with the application of their specialized software, and/or hardware to the classes in which they are currently enrolled. This course is designed for students with disabilities. Course content is based on individual need. Open entry/Open Exit

**PREREQUISITES:**

**COREQUISITES:**

**CREDIT STATUS:** N - Non Credit

**GRADING MODES**

N - Non Credit

**REPEATABILITY:** R - Course may be repeated

Maximum of 99 times

**SCHEDULE TYPES:**

- 04 - Laboratory/Studio/Activity
- 04A - Laboratory - LEH 0.65
- 05 - Hybrid
- 71 - Dist. Ed Internet Simultaneous
- 73 - Dist. Ed Internet Delayed LAB
- 73A - Dist. Ed Internet LAB-LEH 0.65

## **STUDENT LEARNING OUTCOMES:**

By the end of this course, a student should:

1. Demonstrate using assistive computer technologies to access computer applications and course materials in different alternate formats.
2. Identify and use adaptive equipment or software that may assist them with their mainstream coursework.
3. Resolve technical issues that arise when using the assistive computer technology with non-standard applications or with advanced software applications.

## **COURSE OBJECTIVE:**

By the end of this course, a student should:

1. Develop strategies to access their online course materials utilizing the assistive software or adaptive equipment such as: Dragon, Kurzweil 3000, Read & Write, ZoomText, Magic and SmartPen.
2. Review and update skills in accessing textbooks in a variety of alternate formats.
3. Practice, evaluate and remediate activities related to their individual academic areas of need and basic academic skill deficits through individualized computer instruction.

## **CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS**

Curriculum Approval Date: 12/14/2021

1-108 Hours

Note: Hours will vary depending upon the student's needs and technology usage or specific adaptive equipment.

Voice Recognition Application (e.g., Dragon NaturallySpeaking)

- a. Review and update skills in using Windows keyboard commands.
- b. Identify access issues with a non-standard application used in a specific class.
- c. Develop strategies to access menus and toolbars in non-standard windows and/or online course materials.
- d. Develop strategies to enter and edit text in non-standard windows or in online course materials.
- e. Develop strategies to complete written assignments for classes including generation and organization of ideas into an outline prior to dictation of the assignment.

Screen Reader (e.g., JAWS)

- a. Review and update skills for using keyboard and JAWS commands.
- b. Identify access issues with the application used in a specific class.
- c. Develop strategies to access menus and toolbars and/or online course materials.
- d. Develop strategies to enter and edit text in non-standard windows or online course materials.

Screen Magnification Applications (e.g., ZoomText; Magic)

- a. Review and update skills for using Windows keyboard commands.
- b. Develop strategies to access menus and toolbars in new applications and/or online course materials.

Text-to-speech Applications (e.g., Kurzweil 3000; Read and Write)

- a. Review and update skills for opening and saving a variety of file formats.
- b. Identify access issues with textbooks available in a variety of alternate formats.
- c. Identify the most appropriate text-to-speech application for use on campus and at home.
- d. Identify and apply the most appropriate study skill strategy to course materials.
- e. Review and update skills in creating audio files from textbooks and/or course materials in electronic format.
- f. Develop strategies to create an outline integrating information obtained through online research and reference sources in an appropriate format.

Alternate Media

- a. Review and update skills in accessing textbooks in a variety of alternate formats.

## Academic Software

- a. Practice and evaluate activities related to their individual academic areas of need.
- b. Remediate basic academic skill deficits through individualized computer instruction.
- c. Complete various academic modules according to his or her individual needs.
- b. Identify the most appropriate access technology to use with textbooks in electronic formats.

### **METHODS OF INSTRUCTION:**

Specialized instruction or tutoring, High Tech Center Computer lab exercises, installation and troubleshooting handouts, manuals and training materials for specialized software applications are available online and in the High Tech Center.

### **OUT OF CLASS ASSIGNMENTS:**

Required Outside Hours: 0

Assignment Description: None

### **METHODS OF EVALUATION:**

Problem-solving assignments

Percent of total grade: 90.00 %

Students will troubleshoot the technologies.

Skill demonstrations

Percent of total grade: 10.00 %

### **REPRESENTATIVE TEXTBOOKS:**

No textbook is required.

**ARTICULATION and CERTIFICATE INFORMATION**

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

**SUPPLEMENTAL DATA:**

Basic Skills: N

Classification: L

Noncredit Category: E

Cooperative Education:

Program Status: 2 Stand-alone

Special Class Status: S

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: E

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000598066

Sports/Physical Education Course: N

Taxonomy of Program: 493032