



California State University, Sacramento

Department of Communication Sciences and Disorders

UNDERGRADUATE SYLLABUS & COURSE OUTLINE

Semester/Year: Spring 2020	Course: CSAD 130 Audiology and Hearing Testing.	Section: 01
Meeting Days: MW	Meeting Times: 4:30 PM-5:45 PM	Location: FLSM Hall 1050
Instructor: Dr. Charles Sanders	Email: csanders@csus.edu	Phone: 916-278-6631
Office Location: Folsom Hall 2000 Cubicle C	Office Hours/Appointments: By Appointment Through Zoom	

Catalogue Course Description

CSAD 130. Audiology and Hearing Testing.

3 Units

Prerequisite(s): [CHDV 30](#), [DEAF 51](#), [PSYC 2](#), [STAT 1](#), [CSAD 110](#) and [CSAD 111](#)

Term Typically Offered: Spring only

Introduction to audiology; anatomy and physiology of the hearing mechanism; pathologies of the ear; basic acoustics of sound and its relation to hearing and speech; school hearing screening; hearing conversation; audiometric interpretation and its relationship to speech language and learning disorders.

Place of Course in Program

This course is ideally placed in the second semester of the junior year. Following CSAD 110 Phonetic Science and CSAD 111 Anatomy and Physiology, the Audiology and Hearing Testing course will use that knowledge and expand on it. This will then ready them for CSAD 133 Aural Rehabilitation. This is important to ensure that the students have an intimate knowledge of the auditory mechanism, its normal and abnormal function, and how to evaluate it. This is essential when assessing the receptive language systems.

Sacramento State Baccalaureate Learning Goals for the 21st Century (BLG)	Addressed by this course (Y/N)
Competence in the Disciplines: <i>The ability to demonstrate the competencies and values listed below in at least one major field of study and to demonstrate informed understandings of other fields, drawing on the knowledge and skills of disciplines outside the major.</i>	Yes
Knowledge of Human Cultures and the Physical and Natural World <i>through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts. Focused by engagement with big questions, contemporary and enduring.</i>	Yes
Intellectual and Practical Skills, Including: <i>inquiry and analysis, critical, philosophical, and creative thinking, written and oral communication, quantitative literacy, information literacy, teamwork and problem solving, practiced extensively, across the curriculum, in the context of progressively more challenging problems, projects, and standards for performance.</i>	Yes
Personal and Social Responsibility, Including: <i>civic knowledge and engagement—local and global, intercultural knowledge and competence*, ethical reasoning and action, foundations and skills for lifelong learning anchored through active involvement with diverse communities and real-world challenges</i>	Yes
Integrative Learning**, Including: <i>synthesis and advanced accomplishment across general and specialized studies</i>	Yes

Course Learning Outcomes:

UNDERGRADUATE

Mastery of each student-learning outcome listed below is indicated by a grade of C or better on each component of the corresponding measures listed in the table. Students are required to track their progress towards meeting each learning outcome and must make an appointment with the instructor for any grade equal to or less than a C. The instructor will suggest strategies to help you establish competence and knowledge in these areas.

Students should track their progress towards meeting each learning outcome by listing their grades on the table below over the course of the semester.

CSAD 130 SPECIFIC STUDENT LEARNING OUTCOMES:

This course has been designed to be in direct support of the following American Speech-Language Hearing Association (ASHA) Knowledge and Skills Acquisition for certification in Speech-Language Pathology:

Mastery of each student learning outcome listed below is indicated by a grade of C (73-76%) or better on each component of the corresponding measures listed in the table. Students are required to track their progress towards meeting each learning outcome and must make an appointment with the instructor for any grade equal to or less than a C. The instructor will suggest strategies to help you establish competence and knowledge in these areas.

1. Outline the history and contemporary practices related to the profession of audiology.
2. Explain the nature of sound, including concepts related to acoustics (e.g., pressure, intensity, frequency) and psychoacoustics (e.g., loudness, pitch, and binaural hearing).
3. Describe the basic principles of and the behavioral and physiological procedures used to assess the auditory and vestibular systems in infants, children, and adults.
4. Perform pure-tone audiometric testing in a sound-treated booth.
5. Interpret behavioral and physiological test results.
6. Describe disorders of the auditory and vestibular system that impact communication.
7. Discuss appropriate assessment and rehabilitation procedures for children and adults with hearing impairment.

Students should track their progress towards meeting each learning outcome by listing their grades on the table below over the course of the semester.

Course Learning Outcome	Components Indicating Competence	Grades Received
1	Quiz 1	
1	Quiz 2	
2	Assignment 1	
2	Assignment 2	
2	Midterm 1	
2	Quiz 4	

2	Quiz 5	
3	Midterm 2	
3	Assignment 3	
3	Quiz 6	
3	Midterm 3	
4	Quiz 7	
5	Project	
6	Assignment 4	
6	Midterm 3	
6	Assignment 5	
6	Assignment 6	
7	Midterm 4	

Knowledge And Skills Acquisition (KASA) For Certification in Speech-Language Pathology

CSAD 130 Audiology and Hearing Testing

Standard IV-C: Speech, Language, Hearing, Communication, and Swallowing Disorders and Differences

- The student will demonstrate the ability to analyze, synthesize and evaluate knowledge re: hearing disorders (including the impact on speech and language including the etiologies, characteristics, and anatomical physiological, acoustic, psychological, developmental, linguistic, and cultural correlates.)

Standard IV-D: Prevention, Assessment, and Intervention

- The student will demonstrate the ability to analyze, synthesize, and evaluate knowledge re: the principles and methods of prevention, screening, and intervention regarding hearing, including the impact on speech and language.

Standard IV-B: Basic Human Communication Processes

- The student will demonstrate the ability to analyze, synthesize and evaluate knowledge re: biological bases of human communication.

Textbooks and Materials:

Introduction to Audiology, 13th Edition, Frederick Martin and John Clark (Paperback or ebook)

ISBN: **0134695046**

ISBN-13: **9780134695044**

Authors: Frederick N Martin John Greer Clark

Online Resources:

Access to the internet is required for this course. You should bring your device to class. Exams and quizzes will be given in class on CANVAS. If you have problems with obtaining a device the University can supply a lap-top for you.

Access to CANVAS is a requirement of this course. Campus computers are available for student use in many locations. This course is posted on CANVAS. All lecture material and required readings not in the text book will be available only on CANVAS. I do not recommend printing the lectures until the day before class as the content could possibly change. Grades and statistics for the tests will be posted on CANVAS. Please forward interesting links to me as I will post them for the benefit of the entire class. Required readings will be posted in WORD or PDF format on CANVAS. All submissions must be in WORD or PDF format. **Mac PAGES submissions will not be accepted.**

Course Requirements/Components:

Microsoft Office Suite

- WORD
- EXCEL
- POWER POINT
- Adobe Reader

Grading Policy:

Exams: There will be 4 exams given throughout the semester. The midterms will include a combination of multiple choice questions, short answer and essay type questions. Each midterm will be worth 100 points. Each midterm will cover the topics of each section. This class is cumulative. You will need to have a good understanding of the material to continue to the next section. All previous subject matter may be tested during these exams. All midterms are required. (400) **There are NO MAKE-UPS.**

Quizzes: There will be 10 short quizzes. The quizzes will be given each class period. **There are NO MAKE-UPS.** The quizzes will include areas covered in the previous class period and the current readings. Each quiz will be worth 10 points. (100)

Discussions: Student Meet Up! In the discussion section of canvas, please introduce yourself. You will receive 10 points. (10) Week 1 Discussions will be a continuing message board. After the initial post please continue to post, ask questions of each other, and form study groups. This is present for you to be able to communicate with each other outside of class. Your participation throughout the class will be logged and graded. Make sure to post at least one for each unit. (60) There will be 2 discussions for Feedback for the Instructor. (20)

Assignments: There are additional assignments, which are worth 50 points each. Use the Assignments section of CANVAS to access and submit the assignments. (300)

Project: Using the Audiology Clinic downstairs you will complete a hearing exam on another student and submit a written report of that exam. (100)

Readings: The assigned readings are not optional you will be tested on the material. The material will only be covered briefly in class. All readings will be from our text or posted on CANVAS. This course requires extensive reading. Be prepared and read all reading assignments prior to class.

The Final Grade will be based on a percentage of total points (1000) and will be assigned as follows:

EXAMPLE

Source	Points	% of Grade
1-Midterm	100	10%
All Midterms	400	40%
1-Assignment	50	5%
All Assignments	350	35%
1-Quiz	10	1%
All Quizzes	100	10%
Project	100	10%
Discussion/Participation	100	10%

Letter grades are assigned according to the following scores:

Points	%	Letter
1000-950	100-95.0	A
949-900	94.9-90.0	A-
899-870	89.9-87.0	B+
869-830	86.9-83.0	B
829-800	82.9-80.0	B-
799-770	79.9-77.0	C+
769-730	76.9-73.0	C
729-700	72.9-70.0	C-
699-670	69.9-67.0	D+
669-630	66.9-63.0	D
629-600	62.9-60.0	D-
599 or below	59.9 or Below	F

Course Policies/Procedures:

Remediation: *If you receive a midterm grade lower than a C-, you are required to sign up for an office hour to discuss your exam. If you cannot come during office hours, I will set up a special appointment time with you. I will analyze your exam with you and identify areas where you have had difficulty with specific course learning outcomes/competencies. I will give you specific strategies and suggestions that will help you establish competence and knowledge in these areas. You will need to follow through with these suggestions in order to receive a complete grade in the class.*

Make-up Policy

There are no make-up quizzes or exams. Your attendance is required at every class period to take these quizzes and exams. The syllabus clearly states necessary dates. Your lowest quiz will be dropped. This is provided to you to allow unforeseeable events preventing you from taking a quiz.

Policy on making up exams and quizzes: No make-up exams are given unless there is a documented medical emergency with written proof. Being late for an exam or quiz will not entitle you to extra time. Please make sure you arrange your schedules to be here on time for the exams. If you miss a short quiz because you are late for class, or absent you will not be given another to make up.

Policy on attendance: Attendance to each class period is not mandatory. But there are no make up quizzes or exams. The information reviewed in class may not be found anywhere else. So it is strongly advised that you attend every class period.

Group Discussions: If you need to speak to your classmate on an issue not pertaining to the lecture, please leave the room. If it pertains to the class, please ask me, or address the entire class. Please keep your behavior in class professional.

Cell Phone Policy: Please keep your cell phones turned off during class. If you absolutely need it to be on, please keep it on “vibrate” mode and sit near the exit. If you need to take a call, please leave the classroom silently and come back when you are finished. You do not need to ask permission to leave or enter the class.

Drop/Add: Students may drop and add classes only according to University Policy. Neither the department nor I are able to add or drop students from the course. You must go through the online system to add or drop. Students must fill out appropriate forms and meet University deadlines to drop or add classes.

Special Needs/Accommodations: Any student who does not understand or accept the contents or terms of this syllabus or has a disability or condition that compromises his or her ability to complete course requirements must notify the instructor in writing within one week of receiving this syllabus. They must then seek assistance from Disabled Students Services and/or the Learning Center.

TENTATIVE Course Schedule/Outline:

<i>Week</i>	<i>Lectures</i>	<i>Readings</i>	<i>Assessments</i>
Week 1 January 24	What is an Audiologist?, Movie Discussion	Audiometric Threshold; Measure of Intensity; Salaries; Sound has a huge impact. Intro Text chapter 1; AAA Brochure; HH_FALL_2014 pgs 17-18 & 20-21	Quiz 1 Assignment 1 Student Meet Up! Week 1 Introduction
Week 2 January 31	Sound Waves and Their Properties	Infection Control Why Me?; Reading 1 & 2; Intro Text Chapter 2	Assignment 2 Quiz 2
Week 3 February 7	Anatomy of the External Ear; Disorders of the External Ear	Courtois 1, 2, 3; Ear Wax Gene; External Auditory Canal; Keratinosis Obturans; Otoscopic Conditions; Intro Text Chapter 8	Quiz 3 External Ear
Week 4 February 14	The Box; The Ossicular Chain; Muscles and Functions; Transformer Action	Intro Text Chapter 9	Quiz 4
Week 5 February 21	Disorders of the Middle Ear ; The Inner Ear		Quiz 5
Week 6 February	The Cochlea; Cochlear Hearing	Intro Text Chapter 10	Exam 1

28	Loss		
Week 7 March 7&9	Principles of Hearing Testing Immittance, Tympanometry & Acoustic Reflex	Intro Chapter 3, 4 &5 Audiogram Audiometric Interpretation Chapter 1, 2 & 3 Intro Chapter 3 & 6.1 Acoustic Reflex; Acoustic Impedance; Evaluation of the Child Patient; Nozza	Quiz 6 Assignment 3
Week 8 March 14	Pure Tone Audiometry Bone Conduction; Speech Audiometry	Intro Chapter 3, 4, &5 Audiometric Interpretation Chapter 3, 4, & 5 Hall; Thornton and Raffin; word lists	Assignment 4 Quiz 7
Week 9 March 22 Spring Break			
Week 10 March 28	Hearing Test Observations Monday		Exam 2 - Wednesday March 30 Assignment 5
Week 11 April 4	Hearing Test Observation		Assignment 6
Week 12 April 11	Hearing The Vestibular System; Vestibular Disorders	Theories of Hearing 1 & 2 Intro Chapter 13	Quiz 8
Week 13 April 18	Central Auditory Pathway		Quiz 9 - Wednesday
Week 14 April 25	Audiometric Interpretation	Intro to Audiology 3.4 Hearing Evaluation; Audiometric Interpretation; Otosclerosis; Why does the Carhardt notch?; Sample Reports; Lecture 1,2,3	Exam 3 Monday

Week 15 May 2	Non-Behavioral Testing; Report Writing; Hearing Conservation; School Hearing Screenings	Retrocochlear Testing; Intro Text Chapter 13, 14, & 15; Criteria for a Recommended Standard; Noise 01; HPD; Unit 3 Lecture; Audmanschool; CFR; NIOSH 2&3	Quiz 10
Week 16 May 9			
Finals Week			Exam 4

Online Learning

For additional information, please review the CSAD Handbooks website:

<https://www.csus.edu/college/health-human-services/communication-sciences-disorders/csad-handbooks.html>

Zoom/ Online Instruction privacy and relevant rights and responsibilities:

Any time that a class session is recorded during the COVID-19-related Remote Instruction Period, students will be notified. If students do not want their likeness during class participation included in the recorded class session, they may elect to not participate via video recordings. Recordings will be available for viewing during the Remote Instruction Period subject to the following:

Only students enrolled in the subject class during the Remote Instruction Period may view the recording.

- Students may not post or use the recordings in any other setting (e.g., social media) for any purpose. Students who violate this will be subject to student discipline, up to and including expulsion.
- Federal and California law as well as University policies protecting intellectual property rights and use of instructional materials (including any recordings of class sessions) remain in effect during the Remote Instruction Period.
- If faculty have any plan to use the recording for a different class in the future, the faculty member will need written FERPA consent from those students in the current class who are identifiable in any of the recordings. A FERPA consent form signed by all students in the course will also be needed if the recordings are made available to others beyond the classroom on a nonsecure digital platform.

Important Tips for Success as an Online Learner

There are some basic technical skills and requirements that you will need to have to be successful in this online course. If you have difficulties using Canvas, please go to this website: <https://www.csus.edu/information-resources-technology/canvas/canvas-for-students.html>

- ***Begin planning now for private, uninterrupted time in your schedule*** to complete the assignments – preferably in at least one-hour blocks and at least three times a week. It can be easy to fall behind!
- *Check your email account regularly* for updated information. We will be using your Saclink email account for communication. Use Saclink e-mail for private messages to the instructor and other students.
- Read directions carefully.
- For online communication, conventions of on-line etiquette ("netiquette"), which include a courtesy to all users, will be observed.

Attitudes & Technical Skills Required

You will find that the following attitude will significantly contribute to your success in this online class:

- A positive attitude towards technology
- An open mind towards online education
- Willingness to share your experiences with others
- Strong analytical and critical thinking skills for when you "get stuck"
- Resourcefulness - don't be afraid to click on links and explore and ask questions
- Time management

Online learning requires only basic technical skills:

- Be competent with file management (for example, creating a folder on your desktop, moving files from one location to another, finding a saved file)
- Possess internet navigation skills
- Update your Internet browser
- Send and receive email
- Create and save documents (Word, PowerPoint, Excel or HTML)
- Toggle between two open software applications on your computer
- Copy text from a word processing program and paste them into another program

Technical Assistance

Seek help when you can't access Canvas or class materials.

- For technical assistance, contact the IRT Help Desk. Visit AIRC 2005 during [open hours](#) to speak with the IRT Service Desk Team, or call (916)278-7337, [IRT website](#).
- For assistance with course materials, contact your instructor

Spam and Phishing Scams

- Learn how to stay safe and protect yourself from hackers who may try to access your personal information: [Don't Fall for a Phishing Scam](#)
- Use anti-virus, anti-spyware, and anti-malware software. [Sac State's Software and Tools](#) available for download.
- Use pins and passwords to secure your computer and devices- don't share your password with anyone. Use strong passwords that include a combination of letters and numbers that no one can guess.

Canvas Student App

Canvas is fully functional on many types of smartphones and tablets. Compatible devices include platforms such as iPhone/iPad/iPod Touch, and Android. However, it is recommended that you do not solely rely on one of these devices to complete your online course work. Access to a computer is still needed for many online activities. Visit the [Mobile section](#) of the [Canvas Guides](#) website for more information.

Additional Information

Commitment to Integrity:

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this class and also integrity in your behavior in and out of the classroom.

Sac State's Academic Honesty Policy & Procedures:

Commented [THL1]: Please include this information in all syllabi

“The principles of truth and honesty are recognized as fundamental to a community of scholars and teachers. California State University, Sacramento expects that both faculty and students will honor these principles, and in so doing, will protect the integrity of academic work and student grades.” Read more about Sac State’s Academic Honesty Policy & Procedures at the following website: <https://www.csus.edu/umannual/student/stu-100.htm>

Definitions: At Sac State, “cheating is the act of obtaining or attempting to obtain credit for academic work through the use of any dishonest, deceptive, or fraudulent means.” **Plagiarism** is a form of cheating. At Sac State, “plagiarism is the use of distinctive ideas or works belonging to another person without providing adequate acknowledgement of that person’s contribution.” Source: Sacramento State University Library Note: Any form of academic dishonesty, including cheating and plagiarism, shall be reported to the [Office of Student Conduct](#).

Department Policy on Use of APA format

The Department of Communication Sciences and Disorders requires the use of the APA format and style. All students are required to reference the APA manual. All assignments are to be composed using APA format and style unless otherwise noted.

Understand When You May Drop This Course:

It is the student’s responsibility to understand when he/she need to consider disenrolling from a course. Refer to the Sac State Course Schedule for dates and deadlines for registration. After this period, a serious and compelling reason is required to drop from the course. Serious and compelling reasons include: (a) documented and significant change in work hours, leaving student unable to attend class, or (b) documented and severe physical/mental illness/injury to the student or student’s family. Under emergency/special circumstances, students may petition for an incomplete grade. An incomplete will only be assigned if there is a compelling extenuating circumstance. All incomplete course assignments must be completed by the department’s policy.

Inclusivity:

Students in this class are encouraged to be active participants in all aspects of the course, including but not limited to lectures, synchronous and asynchronous activities, discussion posts, etc. Each of us must show respect for each other, as our class represents a diversity of beliefs, backgrounds, and experiences. This enriches all of our learning experiences together. Our individual differences deepen our understanding of one another and the world around us, rather than divide us. In this class, people of all ethnicities, genders and gender identities, religions, ages, sexual orientations, disabilities, socioeconomic backgrounds, regions, and nationalities are strongly encouraged to share their rich array of perspectives and experiences. If you feel your differences may in some way isolate you from our classroom community, or if you have a specific need, please contact the instructor early in the semester. Your instructor will work with you to ensure that you become an active and engaged member of our class and community.

Equal Access:

California State University-Sacramento, Department of Communication Sciences and Disorders, seeks to provide equal access to its programs, services, and activities for people with disabilities. If you have a documented disability and verification from the Office of Services to Students with Disabilities (SSWD), and wish to discuss academic accommodations, please contact your instructor as soon as possible. It is the student’s responsibility to provide documentation of disability to SSWD and meet with a SSWD counselor to request special accommodation before classes start. **Sacramento State Services to Students with Disabilities (SSWD)** offers a wide range of support services and accommodations for students in order to ensure students with disabilities have equal access and opportunity to pursue their educational goals. Working collaboratively with students, faculty, staff and administrators, SSWD provides consultation and serves as the information resource on disability related issues to the campus community. SSWD is located in Lassen Hall 1008 and can be contacted by phone at (916) 278-6955 (Voice) or (916) 278-7239 (TDD only) or via email at sswd@csus.edu.

Sacramento State is committed to ensuring an accessible learning environment where course or instructional content are usable by all students and faculty. If you believe that you require disability-related academic adjustments for this class (including pregnancy-related

disabilities), please immediately contact Services for Students with Disabilities (SSWD) to discuss eligibility. A current accommodation letter from SSWD is required before any modifications, above and beyond what is otherwise available for all other students in this class will be provided. Please be advised that disability-related academic adjustments are not retroactive. SSWD is located on the first floor of Lassen Hall 1008. Phone is 916-278-6955 and e-mail is sswd@csus.edu. For a complete listing of services and current business hours visit <https://www.csus.edu/student-affairs/centers-programs/services-students-disabilities/>.

Basic Needs Support

If you are experiencing challenges with food, housing, financial or other unique circumstances that are impacting your education, help is just a phone call or email away! The CARES office provides case management support for any enrolled student. Email the CARES office at cares@csus.edu to speak with a case manager about the resources available to you. Check out the [CARES website](#).

Title IX

The University requires faculty and staff to report any personal disclosures of sexual misconduct including rape, dating/domestic violence and stalking to the Title IX Coordinator. Students who do not wish to report their experience to me or the Title IX Coordinator may speak to someone confidentially by contacting Student Health and Counseling Services.

Sac State is committed to supporting students and fostering a campus environment free of sexual misconduct and gender-based discrimination. If a student chooses to disclose to a faculty or staff member an experience related to sexual misconduct which includes rape, relationship violence, or stalking, all faculty and staff are obligated to report this disclosure to the university's Title IX Coordinator. Sac State's Title IX Coordinator is Mary Lee Vance. Please email equalopportunity@csus.edu or (916) 278-5770. Upon receipt of the report, the Title IX Coordinator will contact you to inform you of your rights and options as a survivor and connect you with support resources, including resolution options for holding accountable the person who harmed you. Students who elect not to discuss their experience with the Title IX Coordinator can speak confidentially to the following confidential resources:

Student Health & Counseling Services at The WELL On Campus
Phone Number: 916-278-6461
Website: www.csus.edu/shcs

Campus Confidential Advocate – Laura Swartzen
Email: weave@csus.edu
On Campus Phone Number: 916-278-5850 (during business hours)
WEAVE 24/7 Hotline: 916-920-2952

CSUS Grading Policy

Information for students regarding grading is provided here:
<https://www.csus.edu/umannual/acad/umg05150.htm>

Other Resources

- The Office of Student Affairs maintains a list of campus resources/centers: <https://www.csus.edu/center/>
- Testing Center: <https://www.csus.edu/student-affairs/centers-programs/testing-center/>
- Library: <https://library.csus.edu/> for consultation : Rachel Stark, MS, AHIP, stark@csus.edu
- Services to Students with Disabilities: <https://www.csus.edu/student-affairs/centers-programs/services-students-disabilities/>

- Student Health and Counseling Services: Your physical and mental health are important to your success as a college student. Student Health and Counseling Services (SHCS) in The WELL offers medical, counseling, and wellness services to help you get and stay healthy during your time at Sac State. SHCS offers: Primary Care medical services, including sexual and reproductive healthcare, transgender care, and immunizations; urgent care for acute illness, injuries, and urgent counseling needs; pharmacy for prescriptions and over-the-counter products; mental health counseling, including individual sessions, group counseling, support groups, mindfulness training, and peer counseling; athletic training for sports injury rehabilitation; wellness services, including nutrition counseling, peer led health education and wellness workshops, and free safer sex supplies; violence and sexual assault support services. Most services are covered by the Health Services fee and available at no additional cost.
- Student Health and Counseling Services at The WELL: <https://www.csus.edu/student-life/health-counseling/>
- Student Academic Success and Education Equity Programs: <https://www.csus.edu/student-affairs/retention-academic-success/>
- Crisis Assistance and Resource Education Support (CARES): If you are experiencing challenges with food, housing, financial or other unique circumstances that are impacting your education, help is just a phone call or email away. The CARES office provides case management support for any enrolled student. <https://www.csus.edu/student-affairs/crisis-assistance-resource-education-support/>
- CHHS Student Success Center: <https://www.csus.edu/college/health-human-services/student-success/>
- Reading & Writing Center: <https://www.csus.edu/undergraduate-studies/writing-program/reading-writing-center.html>
- Peer & Academic Resource Center: <https://www.csus.edu/student-affairs/centers-programs/peer-academic-resource/>
- SMART Thinking (tutoring resource): <https://www.csus.edu/student-affairs/centers-programs/degrees-project/internal/documents/smarthinking.pdf>