

San José State University
School/Department
EDAU 170, Introduction to Audiology, Spring 2018

Course and Contact Information

Instructor:	Evelyn Merritt, MA, CCC-A
Office Location:	Sweeney Hall 118E
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Email:	evelyn.merritt@sjsu.edu
Office Hours:	Wednesday, 2:00 – 3:30
Class Days/Time:	Section 02: Tuesdays 4:00 PM to 7:00 PM
Classroom:	Sweeney Hall 433
Prerequisites:	EDAU 115 or permission of instructor.

Course Format

This is a lecture format course. The instructor will occasionally supply iPads to all students for class time activities involving Educational Technology. Topics include: theory of diagnostic audiological evaluation; calibration of audiometers; screening versus diagnosis; differential diagnosis of conductive versus sensorineural pathology. Procedures for obtaining pure-tone thresholds, speech recognition threshold, word recognition performance, acoustic immittance measurements, otoacoustics emissions (OAE) and auditory brainstem response (ABR) will be studied. The course culminates with interpretation of audiometric results.

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on Canvas. Students are responsible for regularly checking with the messaging system through MySJSU and announcements on Canvas to learn of any updates. All class notices will go to your SJSU Gmail account or be announced on Canvas. Please contact me from your SJSU email account only.

Course Description

The course is a general introduction to audiology and its scope of practice, including theory and application of the fundamentals of pure tone and speech audiometric procedures and immittance measurements basic to identification audiometry and the differential diagnosis of peripheral auditory problems.

Course Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Students will perform and interpret screening and diagnostic tests for the purpose of evaluating hearing loss, including pure tone thresholds, speech recognition thresholds, word recognition performance, tympanometry, and acoustic reflexes.
2. Students will make appropriate recommendations for medical or audiological follow up based upon audiometric test results.
3. Students will understand the pathology underlying common hearing losses and will be able to differentiate pathology through audiometric interpretation. This objective will be evaluated by performance on three examinations.
4. Students will understand the scope of practice for speech-language pathologists and audiologists as regards to screening for, and diagnosing, hearing loss. Students will also understand the ASHA recommended guidelines for screening for hearing loss and middle-ear pathology.
5. All student learning objectives will be evaluated using three laboratory assignments and three written examinations during the course of the semester, as described in the course requirements.

Required Texts/Readings

Textbook

Audiology Primer, which can be found in the Textbook Module on Canvas. The course will also include assignments from sources on the internet. Readings will be assigned in class and will be posted on Canvas.

Other equipment / material requirements

Students will be supplied with iPads during class for some activities, but may not take them home. Bring appropriate materials for taking notes.

Library Liaison: Suzie Bahmanyar

Phone: 408-808-2023 2564

Email: suzie.bahmanyar@sjsu.edu

Course Requirements and Assignments

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in [University Policy S12-3](http://www.sjsu.edu/senate/docs/S12-3.pdf) at <http://www.sjsu.edu/senate/docs/S12-3.pdf>.

1. Complete all readings as assigned.
2. Participate in class discussions.
3. Completion of three homework assignments:
 - A. Lab 1. Pure-tone audiograms: Using the portable audiometers, obtain five audiograms from friends, family, or classmates. It is not necessary to do speech, bone conduction. Pure tones only. Be sure to use the correct symbols.
 - B. Lab 2. Tympanometry and Otoscopy: Using the portable tympanometer and clinic otoscopes, obtain two tympanograms from classmates. Write down the Type of tympanogram, the compliance and the volume. Comment on whether the volume is or is not equivalent in both ears.
 - C. Complete Audiologic Evaluation Observation:
Observe a complete evaluation and reflect on the session: what tests were given? what instructions/explanations were provided for each test? How were the results explained? Your thoughts on the session, i.e., what seemed particularly good, and what might be improved, about the session? Two-three page paper. Due: one week before end of class.
4. Completion of two written exams. Make up exams are not given. All exams will be given on Canvas with a provided iPad. No personal computers permitted.

More details can be found from [University Syllabus Policy S16-9](http://www.sjsu.edu/senate/docs/S16-9.pdf) at <http://www.sjsu.edu/senate/docs/S16-9.pdf>.

Grading Information

Lab 1: 10 points
Lab 2: 10 points
Lab 3: 10 points
Midterm: 50 points
Final: 2: 50 points

A+ = 98% and above, A = 97% - 94%, A- 93% - 90%, B+ 89% - 87%, B 86% - 84%, B- 83% - 80%, C+ 79% - 77%, C 76% - 74%, C- 73% - 70%, D+ 69% - 67%, D 66% - 64%, D- 63% - 60%, F below 60%.

Late work will be penalized by 10% of the total possible points.

All exams will be given on Canvas in class with only ADA exceptions.

Extra Credit opportunities may be discussed.

Classroom Protocol

Students are expected to be punctual. The lectures are interactive and students will be expected to answer questions during lectures. Slides will be sent home regularly from lecture. It is the student's responsibility to open and read documents and inform the instructor if the documents do not open properly for them. It is expected that students will **NOT LOOK AT THEIR PHONE DURING CLASS.**

University Policies (Required)

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](#) by clicking the link.

College and Departmental Policies

Vision Statement

The faculty of the College of Education at San Jose State University agrees that excellence and equity matter - that each is necessary, and neither is sufficient in the absence of the other. We envision ourselves as a learning community of practitioner/scholars in continuous development, dialogue, and inquiry that enable us to revisit, review and revise our practice in an ongoing response to circumstances.

Mission Statements

College of Education: The mission of the Connie L. Lurie College of Education at San José State University is to prepare educators who have the knowledge, skills, dispositions and ethics that ensure equity and excellence for students in a culturally diverse, technologically complex, global community. The policies and practices of the Connie L. Lurie College of Education at San José State University are based on the belief that teaching in a democracy requires and must ensure that: Students have access to an excellent and equitable education; educators at every level have knowledge of their subject matter and their students, value and engage in ethical practice and excellent pedagogy, and develop dispositions and habits of the mind that ensure that all students have equitable access to an excellent education; stakeholders be involved in the collegial community engaged in the professional conversation and decision making that delineate standards, assign resources, guide program design, and reward accomplishment in the College.

Department: The mission of the Department of Communicative Disorders and Sciences is to provide high-quality academic and clinical preparation to students seeking careers working with individuals who have speech, language and hearing disorders, and their families. Guided by principles of evidence-based practice and working in collaboration with other professionals, our graduates will adhere to the highest ethical standard in serving the needs of our diverse community.

University Policies

Office of Graduate and Undergraduate Programs **maintains university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc.** You may find all syllabus related University Policies and resources information listed on GUP's [Syllabus Information web page](#) at <http://www.sjsu.edu/gup/syllabusinfo/>

Consent for Recording of Class and Public Sharing of Instructor Material

Per [University Policy S12-7](#), <http://www.sjsu.edu/senate/docs/S12-7.pdf>, students must request instructor permission to record 177 class lecture or content.

Student Technology Resources

Computer labs for student use are available in the [Academic Success Center](http://www.sjsu.edu/at/asc/) at <http://www.sjsu.edu/at/asc/> located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Computers are also available in the Martin Luther King Library.

SJSU Peer Connections

Students are encouraged to take advantage of their services which include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

Small group, individual, and drop-in tutoring and consultation with mentors is available on a drop-in or by appointment basis. Workshops are offered on a wide variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving your first semester at SJSU, and other related topics. A computer lab and study space are also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10th and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B. Visit [Peer Connections website](http://peerconnections.sjsu.edu) at <http://peerconnections.sjsu.edu> for more information.

SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the [Writing Center website](http://www.sjsu.edu/writingcenter) at <http://www.sjsu.edu/writingcenter>.

SJSU Counseling Services

The SJSU Counseling Services is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit [Counseling Services website](http://www.sjsu.edu/counseling) at <http://www.sjsu.edu/counseling>.

Course Number / Title, Semester, Course Schedule

Calendar is subject to change due to scheduling variations.

Course Schedule

Week (Optional)	Date	Topics, Readings, Assignments, Deadlines (If appropriate, add any extra column(s) to meet your needs.)
1	Jan 30	Introductions/ Syllabus Review/ Intro to an audiogram/Anatomy
1		
2	Feb 6	Basic Audiologic Assessment/Test battery Intro/Calibration
2		
3	Feb 13	Case History/Ototoxic Drugs/Pathologies/ Peripheral Hearing System
3		
4	Feb 20	Pure Tone Audiometry/Types of Headphones (Class LAB)
4		
5	Feb 27	Bone Conduction/Audiometric Interpretation/Air/bone gap
5		More class lab if needed
6	Mar 6	Masking/tinnitus
6		
7	Mar 13	Catch up and review: <u>Labs 1 and 2 due</u>
7		
8	Mar 20	Midterm
8		
9	Mar 27	Speech Audiometry, part 1
9		
10	Apr 3	SPRING BREAK!!!
10		
11	Apr 10	Tympanometry and Acoustic Reflexes
11		
12	Apr 17	Otoacoustic Emissions/Auditory Brainstem Response
12		
13	Apr 24	Speech Audiometry, part 2

13		
14	May 1	Case Studies/Audiometric Interpretation/ <u>Lab 3 due</u>
14		
15	May 8	Catch Up and Review
15		
Final Exam	TBA	Venue and Time: TBA