

Course Syllabus

COMD 7490 Medical Aspects of Audiology

Meets: Tuesday 9:00-11:20 ECERC 162

Instructor Andrew Cobabe

Dept. Web: <http://comd.usu.edu/> (Links to an external site.)

Learning Objectives (IDEA Course Evaluation) At the end of the semester students will be able to:

1. Students will gain factual knowledge regarding medical aspects of anatomy and physiology of the ear.
2. Students will learn how to apply knowledge of normal and abnormal hearing in a medical setting.
3. Students will develop skills in expressing themselves orally and in writing.

Required Text Book/Readings

1. Handbook of Clinical Audiology: (Point (Lippincot, Williams & Wilkins) 6 Edition ISBN-13 978-0781781060

Course Fee: There is no additional course fee.

Expectations

- Turn assignments in on time. Late assignments must be approved in advance; eligible for a maximum of 50% credit.
- Complete readings and reading logs PRIOR to class.
- Ask questions if you need clarification or are confused.
- Engage in the class through discussions, assignments and learn from each other.

Competencies: American Speech-Language-Hearing Association Knowledge and Skills Assessment (KASA)

In this course each student will be provided with an opportunity to demonstrate required knowledge and/or skill development. These knowledge and skills will be assessed as delineated in the syllabus (by examination, paper, presentation, project, etc.). ASHA has specified that in order to be competent, you must achieve a level of 80% or better on each KASA item. These KASA competencies apply specifically to students in the doctor of audiology program. If the student does not attain this level in this course, he/she will be provided with ONE additional opportunity (in the current class) to demonstrate this knowledge or skill. If the student does not pass the competency a second time, no action will be taken if another opportunity (course or clinic) remains available in which the skill can be acquired. However, if no such opportunity is available, the student will be asked to complete an exam/demonstration of the knowledge and/or skill as defined by the department. For students failing to attain the set criteria on a required competency assessment, the department head is not able to sign the KASA form required for ASHA certification, even though the student may receive an acceptable course/clinic grade or exceed the minimum GPA. Learner Objectives: Following successful completion of this course, students will have demonstrated content knowledge and skill competency in the following areas:

<p>Foundations of Practice</p> <p>A16. Effects of cultural diversity and family systems on professional practice</p> <p>A26. Principles and applications of counseling</p>
<p>Intervention</p> <p>D2 (c): Counseling relating to psychosocial aspects of hearing loss and other auditory dysfunction, and processes to enhance communication competence</p>
<p>Education/Research/Administration</p> <p>F1. Measuring functional outcomes, consumer satisfaction, efficacy, effectiveness, and efficiency of practices and programs to maintain and improve the quality of audiologic services</p> <p>F2. Applying research findings in the provision of patient care (evidence-based practice)</p> <p>F3. Critically evaluating and appropriately implementing new techniques and technologies supported by research-based evidence</p>

Evaluation/Grading/Assignments

ASSIGNMENT	DESCRIPTION	KASA	IDEA Objectives	Points	% of grade
Disease Profile	Research, present and define Disease of Ear	A10,	#2	250	6%
Medical Terms	Define Medical terminology	A10, A29, C2	#2	100	12%
Introduce Medical Model	Medical model, terminology/Abbreviations, intake history, otoscopy, infection control Tele-health, multicultural issues	A3, A10, A20, A29	#1, 2, 3	100	22%
External Ear	Outer ear anatomy and physiology, normal outer ear, cerumen management, diseases of the outer ear, trauma, inflammation and infection, non- inflammatory diseases, congenital diseases, collapsing canal	A3, A10, C11,C10C4A21	#1, 2, 3	100	24%
Middle Ear	Anatomy, Normal middle ear, diseases of the middle ear, mastoid disease, otitis media, otosclerosis temporal bone trauma (TBI), Tumors, ossicular disorders, congenital ear disease, Eustachian tube dysfunction	A3, A10, A29, C2, C3, C4	#1	200	24%
Inner Ear	Anatomy, Normal inner ear, diseases of the inner ear, Trauma induced SNHL, acquired SNHL, ototoxicity, vestibular disorders, infectious control, degenerative diseases, idiopathic disorder, Meniere’s disease, presbycusus, tinnitus	A16, 26	#1	100	12%
Tests	There will be four tests including a final exam			100/per test	
TOTAL				850	

Grading Scale

A = 93-100	B+ = 87-89	C+ = 77-79	D = 60-69	F = <60%
A- = 90-92	B = 83-86	C = 73-76		
	B- = 80-82	C- = 70-72		

Course Schedule

DATE	PRIOR to Class	IN Class
Unit 1: Foundations		
Week 1		Course overview: Introduce first assignment Research project disease of the ear. Medical terminology
Week 2	<u>Canvas: Medical Model Review, Medical Terminology</u> Text pages 116-117 SOAP	Discussion/Review Introduce Medical Model and discuss. PDF/Canvas Medical Model.
Week 3	<u>Canvas– Medical Terminology,</u> <u>Reading: Text Chapter 46 Infection Control</u>	Discussion/Assignment/Review In-class exercises: Demo Infection control techniques Assignments: (1) Create infection control protocol Quiz: Medical Terminology
Week 4	External Ear: Canvas, Anatomy of external/outer ear Lecture 1 notes Canvas External Ear. Text Page 382, 632-633,	Discussion: Anatomy, diseases, RX, DX Case Studies: Images of ears, how to take history, Otoscopy Otoscopy PPX

Week 5	<u>External Ear:</u> Cerumen management PPX canvas, external ear anomalies and terminology	Discussion: Demo cerumen management, PPX external ear anomalies review terminology. Quiz
Unit 2		
Week 6	<u>Middle Ear:</u> Text pgs 40-41 and 489 Otitis Media: pgs 43 and 137-138, 139, 143	Discussion: TM perms images, Otosclerosis, OME Mastoid infections.
Week 7	<u>Middle Ear:</u> Text 143-145 and 811.	Discussion: Disarticulations, Temporal bone trauma, Eustachian tube dysfunction, epidermoids/Cholesteatoma.
Week 8	<u>Middle Ear:</u>	Discussion: Cholesteatoma continued, PE tubes, exostoses, granulomas, osteomas, perichondritis. Traumatic Middle ear
Week 9	<u>Disease Profile Presentations</u>	Disease profile Presentations
Week 10	<u>Spring Break</u>	
Unit 3: Knowledge Enhancement		
Week 11	Field Trip Medical Hearing Clinic	Field Trip
Week 12	Inner Ear: Cochlear anatomy Canvas Text: 214-218, 243-246 Image on page 825	Cochlea anatomy and physiology, cochlear malformations, trauma, Noise Induced. Sensory/Neural,

		“nerve deafness”. Case studies. SNHL
Week 13	Inner Ear: Text Chapter 19, 32	Tinnitus, hyperacusis, phonophobia, hearing aids/technology Noise Exposure
Week 14	Inner Ear. Vestibular Chapter 20. Canvas Vestibular anatomy ENG	Vestibular/Balance anatomy, how the ENG works in clinical audiology Meniere’s disease, vestibular neuritis/labyrinthitis.
Week 15	Tele-Health, Multi-cultural aspects of Audiology Canvas	The future of Audiology in the health care industry and the culture in medical practices.
Week 16	Finals week	

UNIVERSITY POLICIES & PROCEDURES

Academic Freedom and Professional Responsibilities

Academic freedom is the right to teach, study, discuss, investigate, discover, create, and publish freely. Academic freedom protects the rights of faculty members in teaching and of students in learning. Freedom in research is fundamental to the advancement of truth. Faculty members are entitled to full freedom in teaching, research, and creative activities, subject to the limitations imposed by professional responsibility. [Faculty Code Policy #403 \(Links to an external site.\)](#) further defines academic freedom and professional responsibilities.

Academic Integrity – "The Honor System"

Each student has the right and duty to pursue his or her academic experience free of dishonesty. The Honor System is designed to establish the higher level of conduct expected and required of all Utah State University students.

[The Honor Pledge \(Links to an external site.\)](#): To enhance the learning environment at Utah State University and to develop student academic integrity, each student agrees to the following Honor Pledge:

"I pledge, on my honor, to conduct myself with the foremost level of academic integrity."

A student who lives by the Honor Pledge is a student who does more than not cheat, falsify, or plagiarize. A student who lives by the Honor Pledge:

- Espouses academic integrity as an underlying and essential principle of the Utah State University community;
- Understands that each act of academic dishonesty devalues every degree that is awarded by this institution; and
- Is a welcomed and valued member of Utah State University.

Academic Dishonesty

The instructor of this course will take appropriate actions in response to Academic Dishonesty, as defined the University's Student Code. Acts of academic dishonesty include but are not limited to:

- **Cheating:** using, attempting to use, or providing others with any unauthorized assistance in taking quizzes, tests, examinations, or in any other academic exercise or activity. Unauthorized assistance includes:
 - Working in a group when the instructor has designated that the quiz, test, examination, or any other academic exercise or activity be done "individually;"
 - Depending on the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
 - Substituting for another student, or permitting another student to substitute for oneself, in taking an examination or preparing academic work;
 - Acquiring tests or other academic material belonging to a faculty member, staff member, or another student without express permission;
 - Continuing to write after time has been called on a quiz, test, examination, or any other academic exercise or activity;
 - Submitting substantially the same work for credit in more than one class, except with prior approval of the instructor; or engaging in any form of research fraud.
- **Falsification:** altering or fabricating any information or citation in an academic exercise or activity.
- **Plagiarism:** representing, by paraphrase or direct quotation, the published or unpublished work of another person as one's own in any academic exercise or activity without full and clear acknowledgment. It also includes using materials prepared by another person or by an agency engaged in the sale of term papers or other academic materials.

Sexual Harassment

Sexual harassment is defined by the Affirmative Action/Equal Employment Opportunity Commission as any "unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature." If you feel you are a victim of sexual harassment, you may talk to or file a complaint with the Affirmative Action/Equal Employment Opportunity Office located in Old Main, Room 161, or call the AA/EEO Office at (435) 797-1266.

Withdrawal Policy and "I" Grade Policy

Students are required to complete all courses for which they are registered by the end of the semester. In some cases, a student may be unable to complete all of the coursework because of extenuating circumstances, but not due to poor performance or to retain financial aid. The term 'extenuating' circumstances includes: (1) incapacitating illness which prevents a student from attending classes for a minimum period of two weeks, (2) a death in the immediate family, (3) financial responsibilities requiring a student to alter a work schedule to secure employment, (4) change in work schedule as required by an employer, or (5) other emergencies deemed appropriate by the instructor.

Students with Disabilities

Students with ADA-documented physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations. Veterans may also be eligible for services. All accommodations are coordinated through the Disability Resource Center (DRC). Please contact the DRC prior to or as early in the semester as possible. Alternate formats for course content are available with advanced notice.

Contacting the Disability Resource Center (DRC):

- On Campus: Room 101 of the University Inn
- Phone: 435-797-2444
- Website: <http://www.usu.edu/drc/> (Links to an external site.)

Disability related resources for current students:

- [DRC Student Handbook](#) (Links to an external site.)
- [Deaf and Hard of Hearing Student Handbook](#) (Links to an external site.)
- [Disability Related Scholarships](#) (Links to an external site.)
- [Campus Resources](#) (Links to an external site.)
- [Documentation Guidelines](#) (Links to an external site.)
- [Online Resources for Students with Disabilities](#) (Links to an external site.)

Diversity Statement

Regardless of intent, careless or ill-informed remarks can be offensive and hurtful to others and detract from the learning climate. If you feel uncomfortable in a classroom due to offensive language or actions by an instructor or student(s) regarding ethnicity, gender, or sexual orientation, contact:

- Student Services: <http://www.usu.edu/studentervices/> (Links to an external site.), 435.797.1712, studentservices@usu.edu, TSC 220
- Student Advocates: <http://www.usu.edu/ususa/legal/> (Links to an external site.), 435.797.2912, TSC 340,
- Access and Diversity: <http://www.usu.edu/accesscenter/> (Links to an external site.), 435.797.1728, <mailto:access@usu.edu>; TSC 315
- Multicultural Programs: <http://www.usu.edu/accesscenter/multiculture/> (Links to an external site.), 435-797-1728, TSC 315
- LGBTQA Programs: <http://www.usu.edu/accesscenter/lgbtqa/> (Links to an external site.), 435-797-GAYS, TSC 314
- Provost's Office Diversity Resources: <http://www.usu.edu/provost/faculty/diversity/> (Links to an external site.), (435) 797-8176

You can learn about your student rights by visiting:

The Code of Policies and Procedures for Students at Utah State University: <http://www.usu.edu/studentervices/studentcode/> (Links to an external site.)

Grievance Process

Students who feel they have been unfairly treated may file a grievance through the channels and procedures described in the Student Code: [Article VII. Grievances](#) (Links to an external site.).

Full details for USU Academic Policies and Procedures can be found at:

- [Student Conduct](#) (Links to an external site.)
- [Student Code](#) (Links to an external site.)
- [Academic Integrity](#)
- [USU Selected Academic Policies and Procedures](#) (Links to an external site.)
- [USU Academic Policies and Procedures](#) (Links to an external site.)
- [Academic Freedom and Professional Responsibility Policy](#) (Links to an external site.)

Emergency Procedures

In the case of a drill or real emergency, classes will be notified to evacuate the building by the sound of the fire/emergency alarm system or by a building representative. In the event of a disaster that may interfere with either notification, evacuate as the situation dictates (i.e., in an earthquake when shaking ceases or immediately when a fire is discovered). Turn off computers and take any personal items with you. Elevators should not be used; instead, use the closest stairs.