

The University of Texas at Tyler
Communication Sciences & Disorders Program
COMD 3341 Introduction to Audiology
Fall 2022

Instructor: Hunter Wesley Holcomb, Au.D.

E-mail: hholcomb@uttyler.edu

Class Meeting Time: Monday and Wednesday 17:40-19:05

Office Hours: Thursday 18:00-20:00 via Zoom

Please make sure to download and save a copy of this syllabus and all course materials. Please refer to the syllabus regularly to keep up with assignments.

Course Description:

This course focuses on the nature, types and etiologies of various types of conductive and sensorineural hearing loss; prevention of hearing loss; and diagnostic assessments of hearing loss. The course provides hands-on experiences to enable students to conduct instrumental and physiological assessments of hearing on the levels of the outer ear, middle ear, inner ear and brainstem. Students will also learn how to read and analyze assessment data and integrate them with medical history and other information about patients. Students will acquire skills that will enable them to differentially distinguish various disorders of hearing and develop accurate diagnostic impressions. The course also focuses on the etiologies of the various types of hearing loss. It will discuss the impact of hearing loss on development, academic and work performance and socialization, taking in consideration the cultural and psychosocial aspects associated with temporary and permanent hearing losses.

Required Text:

Stach, B. and Ramachandran, V., 2022. *Clinical Audiology: An Introduction*. 3rd ed. San Diego: Plural Publishing.

The instructor reserves the right to assign any additional readings as deemed necessary to meet the course's learning outcomes.

Learning Outcomes:

At the successful completion of this course, the student should have the knowledge to meet or partially meet a number of the ASHA KASA standards for Audiology. A list of the standards addressed by this course follows:

- Standard IV-B Foundations of Practice, B1- B21.
- Standard IV-C Prevention and Identification C4-C5
- Standard IV-D Evaluation.D2-3, 10-14.
- Standard IV-E Treatment. E2-E15

COMD 3313 Hearing Science

A more complete description of the competencies can be found at

http://www.asha.org/about/membership-certification/certification/aud_standards_new.htm

- Course Policies:
 - All students are expected to demonstrate professional behavior in class and in school environments. Professional behavior in class includes preparedness, punctuality, and active participation in all course activities.

- Exams:
 - Multiple-choice, fill-in-the-blank, and short answer
 - 1st exam: 09/28
 - 2nd exam: 11/02
 - Final exam: TBD 12/06-12/10

- Laboratories:
 - Lab 1: Demonstrate basic competency with otoscopy in class and write one page report on otoscopic examination to include: a description of the parts of an otoscope and a description of a possible pathology which may be observed via otoscopy.
 - Lab 2: Demonstrate basic competency with pure tone audiometry in class and write one page report on pure tone audiometry to include: a description of the parts of a pure tone audiometer and a description of a possible pathology which may be indicated by pure tone audiometry.
 - Lab 3: Demonstrate basic competency with clinical masking for pure tone audiometry in class and write one page report on clinical masking to include: a description of the theory behind masking and a description of a possible pathology which may be indicated by pure tone audiometry in conjunction with clinical masking.
 - Lab 4: Demonstrate basic competency with balance function bedside tests in class and write one page report on balance function bedside assessment to include: a description of the parts of a bedside balance test and a description of a possible pathology which may be indicated by a bedside test.

Grade Distribution and Grading Key

<i>Final Grade Itemization</i>	<i>Grading Scale</i>	
Exam 1: 20%	A	100-90%
Exam 2: 20%	B	89.99-80%
Final Exam: 40%	C	79.99-70%
Lab 1: 5%	D	69.99-60%
Lab 2: 5%	F	<60%
Lab 3: 5%		
Lab 4: 5%		
Total = 100%		

Class Schedule

Date	Topics	Reading
Week 1	➤ Audiology in USA	Chapter 1
Week 2	➤ Nature of Hearing	Chapter 2
Week 3	➤ Nature of Hearing Disorder	Chapter 3
Week 4	➤ Causes of Hearing Disorder	Chapter 4
Week 5	➤ Introduction to Audiologic Diagnosis	Chapter 5
Week 6	➤ Puretone Audiometry <i>Lab 1</i> <i>Exam 1</i>	Chapter 6
Week 7	➤ Speech Audiometry <i>Lab 2</i>	Chapter 7

Week 8	➤ Immittance & Physiologic Measures <i>Lab 3</i>	Chapter 8-9
Week 9	➤ Test Battery and Communicating Results	Chapter 10-11
Week 10	➤ Introduction to Treatment & Hearing Aids	Chapter 12-13
Week 11	➤ Implants & Hearing Assistive Technologies <i>Exam 2</i>	Chapter 14-15
Week 12	➤ Hearing Aid Process	Chapter 16
Week 13	➤ Treatment Approaches	Chapter 17
Week 14	➤ Balance Assessment <i>Lab 4</i>	Chapter 18
Week 15	➤ Final exam	

UNIVERSITY POLICIES

A. UT Tyler Honor Code: 1. Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do. Students Rights and Responsibilities To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link:

<http://www.uttyler.edu/wellness/rightsresponsibilities.php>

B. Campus Carry: 1. We respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at

<http://www.uttyler.edu/about/campus-carry/index.php>

C. UT Tyler a Tobacco-Free University: 1. All forms of tobacco will not be permitted on the UT

Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors. Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products. There are several cessation programs available to students looking to quit smoking, including counseling, quitlines, and group support. For more information on cessation programs please visit www.uttyler.edu/tobacco-free.

D. Academic Honesty Policy: Students will adhere to the highest standards of academic honesty. Anyone caught cheating will earn a “0” for that assignment and will be subject to academic and disciplinary action. Plagiarism (the use of written and oral words or ideas of another person, including another student, without the expressed acknowledgment of the speaker’s or writer’s indebtedness to that person) will not be tolerated. This includes the use of papers or other materials previously submitted to instructors in other classes, as well as video and audio recordings. Students caught plagiarizing will fail this class and be subject to academic and disciplinary action.

E. Student Standards of Academic Conduct 1. Disciplinary proceedings may be initiated against any student who engages in scholastic dishonesty, including, but not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

a. “Cheating” includes, but is not limited to:

- i copying from another student’s test paper;
- ii using, during a test, materials not authorized by the person giving the test;
- iii failure to comply with instructions given by the person administering the test;
- iv possession during a test of materials which are not authorized by the person giving the test, such as class notes or specifically designed “crib notes.” The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test;
- v using, buying, stealing, transporting, or soliciting in whole or part the contents of an unadministered test, test key, homework solution, or computer program;
- vi collaborating with or seeking aid from another student during a test or other assignment without authority;
- vii discussing the contents of an examination with another student who will take the examination; viii divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructors has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student; ix substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;
- x paying or offering money or other valuable thing to, or coercing another person to obtain an unadministered test, test key, homework solution, or computer program or information about an unadministered test, test key, home solution or computer program;
- xi falsifying research data, laboratory reports, and/or other academic work offered for credit; xii taking, keeping, misplacing, or damaging the property of the University of Texas at Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct; and
- xiii misrepresenting facts, including providing false grades or resumes, for the purpose of obtaining an academic or financial benefit or injuring another student academically or

financially.

b. "Plagiarism" includes, but is not limited to, the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the submission of it as one's own academic work offered for credit.

c. "Collusion" includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty. d. All written work that is submitted will be subject to review by plagiarism software.

Additional Examples of academic dishonesty and plagiarism:

-Copying part or all of a colleague's assignment and submitting it as if it were your own work. In this situation both students will be penalized.

-Putting information from a book, article, etc. into a written assignment without clearly attributing the information to the source and documenting the source in the body of the assignment.

-Copying, printing or sharing online quizzes

-Submitting assignments that were previously used for another course.

-Sharing information about exams and/or quizzes with other students

These are just examples of acts of dishonesty that lead to failing the course and further disciplinary action.

Assignments will be submitted via the Safe Assign anti-plagiarism online system, which will immediately trace any words a student plagiarizes from any source out there. Any violations will be taken very seriously.

2. The U-T Tyler Writing Center provides professional writing tutoring for all students in all disciplines. If you wish to use the Writing Center, you should plan for a minimum of two hour-long tutorials per assignment: the first to provide an initial consultation and drafting plan, and the second to follow up. Be prepared to take an active role in your learning, as you will be asked to discuss your work during your tutorial. While Writing Center tutors are happy to provide constructive criticism and teach effective writing techniques, under no circumstances will they fix, repair, or operate on your paper.

Location: BUS 202. Appointments: 903-565-5995.

3. Disability/Accessibility Services:

a. In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University of Texas at Tyler offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including a non-visible diagnosis such as a learning disorder, chronic illness, TBI, PTSD, ADHD, or you have a history of modifications or accommodations in a previous educational environment, you are encouraged to visit <https://hood.accessiblelearning.com/UTTyler> and fill out the New Student application.

b. **The Student Accessibility and Resources (SAR)** office will contact you when your application has been submitted and an appointment with Cynthia Lowery, Assistant Director of Student Services/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at <http://www.uttyler.edu/disabilityservices>, the SAR office located in the University Center, # 3150 or call 903.566.7079.

4. Grade Replacement/Forgiveness and Census Date Policies:

COMD 3313 Hearing Science

a. Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

b. Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

c. The Census Date (Sept. 10th) is the deadline for many forms and enrollment actions of which students need to be aware. These include:

- i Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- ii Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
- iii Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)
- iv Being reinstated or re-enrolled in classes after being dropped for non-payment v Completing the process for tuition exemptions or waivers through Financial Aid

5. State-Mandated Course Drop Policy: a. Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date). b. Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

6. Student Absence due to Religious Observance: a. Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

7. Student Absence for University-Sponsored Events and Activities: If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time, the instructor will set a date and time when make-up assignments will be completed.

8. Social Security and FERPA Statement: It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically. 10. Emergency Exits and Evacuation: a. Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first

COMD 3313 Hearing Science

week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

F. UT Tyler Resources for Students:

1. UT Tyler Writing Center (903.565.5995), writingcenter@uttyler.edu
2. UT Tyler Tutoring Center (903.565.5964), tutoring@uttyler.edu
3. The Mathematics Learning Center, RBN 4021 (This is the open access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses).
4. UT Tyler Counseling Center (903.566.7254)
 1. Demonstrates professional demeanor and a passion for their chosen profession.
 2. Receptive to constructive feedback and reflects on his/her work, behavior, and/or practice.
 3. Exhibits personal integrity and professional conduct with all members of the learning community