



**Callier Center for
Communication Disorders**

**SYLLABUS
AUD 6310
*Advanced Clinical Audiology
Fall 2016***

Professor/Lab Instructors and Contact Information

COURSE INSTRUCTOR: Ross J. Roeser, Ph.D., CCC-A

OFFICE LOCATION: Callier Center, Room B108

TELEPHONE NUMBER: 214-905-3116

e-mail: roeser@utdallas.edu

OFFICE HOURS: Wednesday 8:00 a.m.-1:00 p.m.

***LABORATORY COORDINATOR/INSTRUCTOR:** Marjorie Grantham, PhD

OFFICE LOCATION: JXXX

e-mail: mag161930@utdallas.edu

LAB LOCATION: J204 (unless otherwise notified)

TEACHING ASSISTANT: Rebecca Rogers

OFFICE LOCATION: None

e-mail: rebecca.rogers@utdallas.edu

OFFICE HOURS: By appointment

**ALL MATERIALS WILL BE POSTED AT K:\Dept\Callier\Academic Programs\AuD
Students\Public\AuD 6310 Advanced Clinical Audiology**

* The laboratory covers topics that are included in AUD 6310, but is a separate course and is graded separately.

CLASS MEETING TIME: Wednesday 4:00-6:45 p.m.

LOCATION: Callier Center,

Lab Meeting Time: Friday, 1:00 pm. to 4:00 p.m.

General Course Information

Pre-requisites, Co-requisites, and/or Other Restrictions: Undergraduate course in audiology or consent of instructor

Course Description

This course will review the development, application and interpretation of standard and advanced audiometric test procedures used for diagnosing hearing loss.

Student Learning Objectives/Outcomes

At the conclusion of this course, students will be able to demonstrate an understanding of:

1. The history of audiology.
2. Case history procedures and interpretation of findings.
3. Infection control in audiology.
4. Otoscopic examination and interpretation of findings.
5. Calibration procedures for audiometric equipment.
6. Psychophysical procedures and threshold assessment.
7. Bone conduction and tuning fork tests.
8. Middle ear measures.
9. Speech audiometry.
10. Masking principles as they apply to diagnostic audiology.

Required Textbooks and Materials

Required

Roeser, R. J., Hosford-Dunn, H., and Valente, M. (Eds.) Diagnostic Audiology. Thieme Medical Publishers, Inc., New York: NY (2007).

Readings will be assigned for each unit and will be electronically posted on the Callier system at:
g/group/students/AuD students/First Year/Advanced Clinical Aud/readings

Assignments and Academic Calendar

There are 10 units in the course. Each unit has a unit summary that can be found at:

g/group/students/AuD students/Public/Advanced Clinical Aud/Student PowerPoint Summaries

The unit summaries cover the following topics:

1. Introduction/Overview/Definition of Audiology/History of Audiology
2. The Case History
3. Infection Control in Audiology
4. Otoscopy
5. The Audiometer and Calibration
6. Psychophysical Techniques (Procedures for threshold assessment)
7. Bone Conduction and Tuning Fork Tests
8. Middle Ear Measures (Immittance Measures)
9. Speech Audiometry
10. Masking

Grading Policy

There will be two written examinations.

Examination #1—Wednesday, Oct 21, 3:00 p.m.

Examination #2—Thursday, Dec 10, 3:00 p.m. (To be discussed)

Grading for each examination will be based on percentage of correct score as follows:

93-100%* = A

85-92% = B

Less than 85% = C

*100% is the highest score obtained by any student. As an example, if the exam has 112 points and the highest score is 104 points, 104 will be the 100% score to base all percentages on. In this case, a score of 94 would be $(94/104)$ 90%.

The course grade will be based on total percentage from the mid term and the final examinations.

Laboratories

The laboratories for this course are scheduled so they compliment the material covered, but are graded separately, so a separate syllabus will be provided.

As part of the laboratories, each student will be required to test 5 adult subjects utilizing: otoscopy, air conduction thresholds, bone conduction thresholds, speech thresholds, word recognition tests, and middle ear measures. The results are to be turned in no later than the last class of the semester.

Course Policies

Make-up exams: There will be no make-up exams for this course.

Extra Credit: No extra credit will be given for this course.

Late Work: No late work will be accepted.

Special Assignments: There are no special assignments for this course.

Class Attendance:

- Students are highly encouraged to attend each lecture, as information from class lectures will appear on the examinations.
- Student will be responsible for obtaining lecture material from a classmate should they miss a lecture.
- Class will start promptly! Students should make all efforts to be on time.
- **Potential conflicts with examination dates must be discussed with the instructor in the first week of class.**

Classroom Citizenship/Professional Disposition

Professional dispositions refer to the values, commitments, and professional ethics that influence behaviors toward instructors, peers, and those in the community. Dispositions are guided by beliefs and attitudes related to values such as caring, fairness, honesty, responsibility, and social justice. Students will demonstrate professional dispositions by exhibiting the following professional behaviors:

1. Arriving at class at the designated class start time.
2. Turning off or muting all cell phones and pagers prior to entering the classroom.
3. Using available resources for the purpose of class learning. The use of lap top computers during class for the purpose of taking class notes is at the discretion of the instructor. Students are permitted to use their lap top computers during class in this course. **However, using the internet during class is not permitted, and students using their laptops for this purpose will lose the privilege of lap top use in this class.**
4. Preparing for class by reading the assigned materials and preparing for the presentation.
5. Participating in class discussions in a constructive manner. **SIDE BAR DISCUSSIONS ARE DISCOURAGED DURING CLASS. If you have a question about the material being presented you are encouraged to ask questions to the instructor so the entire class can participate in the discussion.**
6. Interacting in a professional manner (verbally and nonverbally) with the instructor and other students.
7. Taking responsibility for professional learning.
8. Requesting permission to leave class during the lecture. Students needing to leave class during class time should request permission from the instruction, rather than assuming they can walk out of the room, for whatever reason there is.

ASHA competencies covered by the course

Standard IV-B Foundations of Practice

- B 9. Principles, methods and applications of psychoacoustics.
- B 11. Instrumentation and bioelectrical hazards
- B.12. Infectious/contagious diseases and universal precautions.

Standard IV-C Prevention and Identification

None

Standard IV-D Evaluation

- D 4. Perform an otoscopic examination.
- D 5. Determine the need for cerumen removal.
- D 6. Administer clinically appropriate and culturally sensitive assessment measures.
- D 7. Perform audiologic assessment using physiologic, psychophysical and self-assessment measures.
- D 8. Perform electrodiagnostic test procedures.
- D12. Interpret results of the evaluation to establish type and severity of disorder.

Standard IV-E Treatment

None

UTDallas University-Wide Policies

Class Lecture Schedule Fall 2016

Wednesday, Aug 24 Syllabus-Course Review/The Definition of Audiology/
Audiology History/Audiology Around the World/The Case
History/Infection Control
Wednesday, Aug 31 Infection Control in Audiology/Otoscopy
Wednesday, Sept 10 The Audiometer and Calibration
Wednesday, Sept 7 Sound Field Calibration/Psychophysical techniques
Wednesday, Sept 14 Bone Conduction and Tuning Fork Tests/Middle Ear Measures
Wednesday, Sept 21 Middle Ear Measures
Wednesday, Sept 28 Middle Ear Measures
Wednesday, Oct 5 Speech Audiometry
Wednesday, Oct 12 First Examination
FIRST EXAMINATION TO COVER MATERIAL TROUGH MIDDLE EAR MEASURES
Wednesday, Oct 19 Speech Audiometry
Wednesday, Oct 26 Speech Audiometry/Masking—When to Mask
Wednesday, Nov 2 Masking How to Mask/Case Studies
Wednesday, Nov 9 Masking
Wednesday, Nov 16 Masking
Wednesday, Nov 23 No Class-Winter Break Masking
Wednesday, Nov 30 Case Studies/Clinical Applications
Wednesday, Dec 7 To be used if needed

FINAL EXAMINATION TO FOCUS ON MATERIAL AFTER MIDDLE EAR DISORDERS

Course & Instructor Policies

(make-up exams, extra credit, late work, special assignments, class attendance, classroom citizenship, etc.)

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

“As a Comet, I pledge honesty, integrity, and service in all that I do.”

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University’s policies and procedures segment of the course syllabus.

Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.