

**CMSD 3130
INTRODUCTION TO AUDIOLOGY
SPRING 2007**

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Overview: This course is designed to familiarize the student with the field of Audiology in general, the educational requirements necessary to practice Audiology and professional opportunities. It also introduces the students to issues related to the assessment and diagnosis of hearing, disorders of the auditory system and intervention strategies, both medical and rehabilitative, that are used to meet the needs of the hearing impaired.

Prerequisite or Co-requisite: CMSD 3030 or permission of the department

Objectives: At the end of this course the student should be able to:

1. Discuss the field of Audiology as a profession. (III-G, III-H)
2. Describe behavioral, physiologic, and electrophysiologic measurements used in the assessment of peripheral and central auditory function. These measurements include pure tones, speech, acoustic immittance, otoacoustic emissions, and auditory brainstem response. (III-A, III-B, III-C, III-D)
3. Describe, discuss and differentiate various auditory pathologies and their effects on hearing. (III-C),
4. Explain hearing aid function and discuss management strategies used in meeting rehabilitative needs of the hearing impaired. (III-D)

TEXT: Audiology The Fundamentals, Fred H. Bess and Larry E. Humes, Third Edition, 2003.

OFFICE HOURS: Office hours will be held on Monday from 10:00-11:00 AM and Wednesday from 2:00-3:00 PM in Aderhold Hall room 538. Jennifer Gieseman, a graduate student in speech-language pathology, will be my graduate assistant for this class. Her email is jkgiese@uga.edu My email is alde@uga.edu Any correspondence with either Jennifer or me should be via our email addresses unless you want the entire class to see the question, in which case you should use the class list-serve.

Course Requirements

- A. There will be three examinations during the semester and a final examination for a total of four exams. **NOTE: YOUR FINAL EXAM FOLLOWS THE OFFICIAL EXAM SCHEDULE, SO MAKE SURE YOU DO NOT PLAN ANY TRIPS OR ADVENTURES UNTIL AFTER ALL OF YOUR EXAMS HAVE BEEN COMPLETED.**
- B. Each exam will constitute 25 percent of your grade.
- C. Make up exams will be given **ONLY** when a written medical excuse is provided to the instructor.

D. You will be allowed 3 un-excused absences, after which 1 point, per each absence will be deducted from your final grade.

<u>DATE</u>	<u>TOPIC</u>	<u>CHAPTER</u>
1-9	Discuss class format Explain format for tests and grading system Theories of Hearing	1
1-11	Cochlear Potentials/Auditory Nerve Response	3
1-16	Auditory nerve response/ Perception of Sound (loudness & binaural hearing)	3
1-18	Audiologic assessment Audiometers Audiograms Pure tone evaluations	4
1-23	Audiologic assessment (con't)	4
1-25	Audiologic assessment (con't)	4
1-31	EXAM I	
2-1	Masking	4
2-6	Masking (con't)	4
2-8	Other factors to consider Children's procedures Speech measures	4
2-13	Speech measures (con't)	4
2-15	Speech measures (con't) Acoustic immittance	4
2-20	Acoustic immittance (con't)	4
2-22	Acoustic immittance (cont.)	4
2-28	Acoustic immittance (con't)	4
3-1	EXAM II	

3-6	Auditory pathologies	
3-8	Auditory pathologies (con't)	
3-12	SPRING BREAK	5
3-16	SPRING BREAK	
3-20	auditory pathologies (con't)	
3-22	Screening procedures	
3-27	Screening procedures	6
3-29	Otoacoustic emissions	3
4-3	Otoacoustic emissions	3
4-5	EXAM III	
4-10	Auditory brainstem response	3
4-12	Auditory brainstem response (con't)	3
4-17	Rehabilitative Audiology Hearing aids & selection	7
4-19	Hearing aids & selection (cont.) Management strategies	7 7
4-24	Management strategies (cont.)	7
4-26	Management strategies	7

Final Grade

Your final grade is based on the percentage of points you accumulate throughout the semester from your four exams.

A = 90-100%

B+= 88-89

B = 80-87%

C+ = 78-79

C = 70-77%

D+ =68-69

D = 60-67%

F = 59% and below

Honor Code and Academic Policy

All academic course work must meet the standards in “A culture of Honesty.” All students are responsible for informing themselves about those standards before performing academic work. The policy, a portion of which is shown below, can be found at www.uga.edu/ovpi/academic_honesty/academic_honesty.htm

All exams and any academic work (e.g. homework, projects, term papers) are to be completed without assistance from former or current students, and without plagiarizing from the internet or other sources. Those violating this policy will be referred for disciplinary action.

The University of Georgia (the university) seeks to promote academic honesty and personal integrity among students and other members of the University community. A policy on academic honesty has been developed to serve these goals. Academic honesty is defined broadly and simply—the performance of all academic work without cheating, lying, stealing, or receiving assistance from any other person or using any source of information not appropriately authorized or attributed. Academic honesty is vital to the very fabric and integrity of the University. All students must comply with an appropriate and sound academic policy and code of honest behavior. All members of the University community are responsible for knowing and understanding the policy on academic honesty. The statement on policy and procedures will be made readily to all students to ensure understanding of the academic honesty system and its proper functioning.