
SHS 528
Clinical Audiology I
Fall 2009

Instructor: Dr. Steve Oshrin
T-TH 11:00 a.m.
SRS 206

Last Day to Drop: Wednesday, September 30
Final Exam: Tuesday, December 8 at 10:45

Instructional Objectives: In this class you will:

- learn the basic concepts of acoustics as they relate to hearing measurement
- learn about the psychophysical methods of measuring hearing thresholds
- learn about the calibration of hearing measurement devices
- learn about subject response criteria
- learn how to measure pure tone thresholds, speech thresholds and speech discrimination
- learn how to mask
- learn how to evaluate and interpret audiometric test results

Outcomes Assessment: Your success in meeting the instructional objectives will be assessed by:

- evaluating your performance on classroom discussions
- evaluating your performance on laboratory assignments; and
- evaluating your performance on written and practical examinations.

Text:

Katz, Jack. Handbook of Clinical Audiology (5ed). Baltimore:
Williams and Wilkins (2002).

Other readings to be assigned.

Blackboard Supplement

This class will use the university's Blackboard system as a supplement to this course. You may access Blackboard using your SOAR ID and password. Blackboard will be used to post readings, archive Powerpoint presentations used in class, provide links to internet resources, disseminate announcements about class and to take quizzes and exams. You may access blackboard by using

the url:

<http://southernmiss.blackboard.com>

Tests and quizzes

There will be 3 exams given during the semester, with each exam worth 100 points. The final exam will be cumulative in nature and will also be worth 100 points. The final exam is scheduled for Monday, December 8 at 10:45 a.m.

Quizzes will be given from time to time to assess your progress in class. These quizzes may be given in class or may be assigned on Blackboard.

Grading:

Final grades will be based on the following formula:

Percentage = points scored/points possible X 100

Percentage	Grade
90-100	A
80-89	B
70-79	C
60-69	D
<60	F

Example: If you earned 40 of 50 points on quizzes, 95 points on exam 1, 89 points on exam 2, 78 points on exam 3 and 92 points on the final exam you would have earned 394 points out of a possible 450. So, your average would be $394/450 = .875$ (or 87.5%). Your final grade would be B.

Class Policies

Office Hours: My office is in SHS 119 and my office hours are posted on my door. If those times aren't convenient, see me to arrange a convenient time to meet.

Absences in excess of 3 will result in a 5% reduction in your grade for each absence in excess of 3. Excuses (medical or other) are not necessary for the first 3 absences and will not be accepted for subsequent absences. If you miss an exam, the next exam will count double (i.e. be worth 200 points). You are allowed to make up only one exam in this manner; if you miss more than 1 exam, you will receive a "0" for that exam.

Please be on time for class. Your cell phone should be set to vibrate or off during class.

The last day to drop this course is September 30. After that day, I will not allow you to drop the course for any reason.

Tentative Topic Outline

1. Introduction
2. Psychoacoustic foundations
3. pure tone air conduction testing techniques
4. pure tone bone conduction testing techniques
5. speech reception threshold testing
6. speech discrimination testing
7. lateralization and masking
8. screening for hearing loss
9. calibration standards
10. audiometer maintenance and troubleshooting
11. other topics tba

Knowledge and Skills

In this course you will acquire **knowledge** (areas of content that you can recall, relate and use) and **skills** (the learned capacity to do some task). Your acquisition of knowledge and skills will be assessed during the course of the semester (through *formative assessment*) and at the end of the semester (through *summative assessments*). Formative assessments will measure your progress during the course of the semester; if your progress is unsatisfactory, they may be used to formulate remedial measures to allow you to acquire the requisite knowledge and skills.

Learning Outcomes

Learning outcomes are behaviors that are observable and measurable; at the completion of this course you will be able to:

- *define the psychophysical measures used in audiometric testing*
- *determine if an audiometer is in calibration*
- *accurately measure hearing thresholds for pure tones and speech*
- *associate audiometric configurations with various etiologies*
- *evaluate the efficacy of hearing screening programs*
- *relate changes in sound pressure and sound power to changes in intensity*
- *utilize tuning fork tests to confirm other audiometric test results*
- *measure speech discrimination ability*
- *explain the otologic/neurologic conditions that may cause hearing loss*
- *demonstrate appropriate referral decisions based on audiologic findings*

This course will provide knowledge and skills to meet the following ASHA certification standards in Audiology:

IV-B 1-4, 8-16, 18 and 20

IV-C 3, 4

IV-D 1-7, and 11-18

IV-E 1-6 and 14-19

For complete information on ASHA certification standards in Audiology, visit

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

If a student has a disability that qualifies under the American with Disabilities Act (ADA) and requires accommodations, he/she should contact the Office for Disability Accommodations ODA for information on appropriate policies and procedures. Disabilities covered by ADA may include learning, psychiatric, physical disabilities, or chronic health disorders. Students can contact ODA if they are not certain whether a medical condition/disability qualifies.

Address: The University of Southern Mississippi Office for Disability Accommodations
118 College Drive # 8586, Hattiesburg, MS 39406-0001

Voice Telephone: (601) 266-5024 or (228) 214-3232 Fax: (601) 266-6035 -Individuals with hearing impairments can contact ODA using the *Mississippi Relay Service* at 1-800-582-2233 (TTY) or email Suzy Hebert at Suzanne.Hebert@usm.edu.
