

SHS 302

Anatomy and Physiology of Hearing

Fall 2009

Instructor: Dr. Steve Oshrin
Time: 11:00 - 11:50 M-W-F
Location: SRS 202

Office: SRS 119
Phone: 601-266-6842

Last Day to Add: August 28
Last Day to Drop without financial penalty: September 1
Last Day to Drop: Sept 30

Course text: Zemlin, W.R., Speech and Hearing Sciences,(4ed.),
Englewood Cliffs, N.J.: Prentice Hall (1997).

Instructional objectives:

Students in this class will:

- learn about anatomical nomenclature
- learn about the form and function of structures in the outer, middle and inner ear
- learn about the form and function of the central auditory pathways
- learn about the prenatal development of the auditory system
- learn about the pathological conditions that affect the auditory system
- learn to use internet resources to obtain information related to the auditory system

Information provided in this course is designed to meet Standards III-B, III-C, and III-D of the ASHA Standards for Clinical Certification in Speech Language Pathology (2005). Information provided in this course is designed to meet Standards IV-B and IV-C of the ASHA Standards for Clinical Certification in Audiology (2007).

Instructional outcomes assessment: Meeting the objectives noted above will be determined by your scores on:

- daily quizzes
- on grades from 2-3 tests during the semester
- on the completion of internet assignments, and
- on a final cumulative exam

There will be a five question quiz during each class period. You will need to obtain a pack of 3 x 5 lined index cards for the quizzes. Each quiz will be worth five points and there will be no makeup for quizzes. We will go over the quiz immediately and the quizzes will not be returned to you. The lowest three quiz grades will be dropped. Exams will be announced at least one week in advance. There will be no make-up tests given. If you miss an exam, the following exam will count double. If you miss more than one exam, you will receive a zero for that test. There will be no make up for the final exam and the final examination will be comprehensive. During the semester there may be a number of internet assignments that will require you to have internet access. Access to the internet is available at computer labs throughout the University; you may also access the internet using your own personal computer.

Grades will be assigned on a percentage basis. For example if you obtained 350 out of a possible 400 points during the semester, your percentage score would be 87.5%. Letter grades will be given on the following scale:

90-100% A
80-89% B
70-79% C
64-69% D
< 64% F

It is my policy to round averages to the next highest integer. For example, if your final average is 79.47, I will round your average up to 80 and your grade will be **B**. If your average is 78.9, I will round your

average up to 79 and your grade will be C. Please do not ask for extra credit, extra assignments, bonus credit, etc.

Academic Honesty: The learning in professional preparation courses like this one directly affects your ability to provide professional services to those entrusted to your care. Anyone caught cheating will be subject to all penalties proscribed by university policy.

Attendance: Since there will be a quiz during each class period, missing a class will result in your receiving a zero for that quiz; because the three lowest quiz grades will be dropped, you may miss three classes without penalty. Since class is disrupted by students entering late, please be on time. *If you must leave early, please inform me before class and do not take the quiz..*

Cell phones/pagers: Please turn off cell phones, pagers, Ipods, Gameboys, etc. before entering class. If your cell phone rings during class, please hand it to me and I will answer it for you.

Drop/Add: The last day to add this class is August 28. The last day to drop this class is September 30. Following that date, you will not be permitted to drop the class for any reason.

Office hours: My office is located in room 119. Office hours are posted on the door.

WebCt/Blackboard Supplement: This classes utilizes WebCT as a supplement. You may access WebCT at <http://www.usm.edu/southernmissonline/> . Your logon ID is your student ID number (i.e. w123654) and the password is your SOAR password. On WebCT you will be able to access your grades for quizzes and exams, view copies of my PowerPoint presentations, read class announcements and find links to information regarding class topics. Exams for this class will be given via computer using WebCT and administered in the computer lab room 111 of the Speech and Hearing Building. There will be a number of times available for you to take each exam, and sign-up for testing times will be made through WebCT.

Tentative topic outline and reading assignments:

- I Introduction of basic concepts in anatomy and physiology. (Z 1-7)
- II The physics of sound as applied to hearing (Z 415-435)
- III The external ear (Z 435-439)
Pathologies of the outer ear
- IV The middle ear (Z 440-464)
Pathologies of the middle ear
- V The inner ear (Z 464-507)
Pathologies of the inner ear
- VI Central auditory pathways (readings to be assigned)
- VII Prenatal Development of the hearing mechanism (512-520; 545-547)

It is your responsibility to keep up with assigned readings. Questions from the readings will appear on the exams.

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*

updated 08-15-09