COURSE:  SHS 221 [ Introduction to Audiology ] (Summer 2017)

INSTRUCTOR:  Dr. Terrio [ Office Rm 228 JBG Phone 266-5216 ] Office hours are posted to my door.

PREREQUISITES:  None

FORMAT:  3 hours, lecture and “hands-on” activities

TIME:  MW 10:45 – 1:15

PLACE:  TBA


CATALOG DESCRIPTION:  This course samples the entire field of audiology.  Topics include pure tone air and bone audiometry, speech audiometry, reading audiograms, interpreting audiograms, client behaviors, common pathologies of the ear, and management of the hearing-impaired client.

KASA [1/1/2014]:

- Normal aspects of auditory physiology and behavior over the life span
- Anatomy and physiology, pathophysiology and embryology, and development of the auditory and vestibular systems
- Principles, methods, and applications of psychoacoustics
- Physical characteristics and measurement of acoustic stimuli
- Prevent the onset and minimize the development of communication disorders
- Identify individuals at risk for hearing impairment
- Screen individuals for hearing impairment and activity limitation or participation restriction using clinically appropriate and culturally sensitive screening measures
- Perform audiologic assessment using physiological, psychophysical, and self-assessment measures
- Document evaluation procedures and results interpret results of the evaluation to establish type and severity of disorder
- Generate recommendations and referrals resulting from the evaluation process
- Maintain records in a manner consistent with legal and professional standards
- Communicate results and recommendations orally and in writing to the patient and other appropriate individual(s)
- Use instrumentation according to manufacturer's specifications and recommendations
- Determine whether instrumentation is in calibration according to accepted standards

FORMATIVE OUTCOMES ASSESSMENT: The 3 exams in this course follow an “objective” [listing, short answer, fill-in-the-blank] format.  Content is NOT cumulative.  Correct items that are incorrectly spelled receive half-credit.  Tentative examination dates are listed at the end of this course outline.  Please enter these dates in your calendar.

GRADING:  Your final grade is determined by averaging the total points earned from all written formative assessments.  There are a total of 3 tests; each test is worth 100 points [ 3 tests x 100 points= 300 points ].  The final percentage score is computed on the basis of 300 points.

GRADING SCALE:  A=90-100%  B=80-89%  C=70-79%  D=60-69%

MAKEUP EXAMS:  Students are required to complete all 3 formative assessments.  Contact your instructor to schedule a “make up.”  A signed medical excuse is required.

ADA:  If a student has a disability that qualifies under the Americans 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 ODA at oda@usm.edu.

Additional resources:
Speaking Center:  http://www.usm.edu/speaking-center
Student Counseling:  http://www.usm.edu/student-counseling-services
Student Success Center:  http://www.usm.edu/success
Writing Center:  http://www.usm.edu/writing-center

From the USM Undergraduate Bulletin: “When cheating is discovered, the faculty member may give the student an F on the work involved or in the course.  If further disciplinary action is deemed appropriate, the student should be reported to the Dean of Students.  In addition to being a violation of academic honesty, cheating violates the Code of Student Conduct and may be grounds for probation, suspension, and/or expulsion.  Students on disciplinary suspension may not enroll in any courses offered by The University of Southern Mississippi.”

GENERAL:

If you choose to withdraw from this [ or any course ], please initiate proper “drop” procedures.  Instructors are required to assign a final letter grade of "F" to students who simply stop attending class.

Students should refer to the Registrar's Office calendar for the last day to drop a course at Southern Miss.

Instructors are not allowed to discuss grades over the phone or by email for any reason.
Please do not ask your instructor for your final grade. Final grades are available through your on-line SOAR account.

Please do not ask to take any exam [including the final] early; the University requires that students complete final exams only at the scheduled time.

The best time to ask questions is either during or immediately after class.

Please switch-off cell phones during class and formative assessments. Cell phones, Google glasses, Smart Watches, etc. should be switched-off and placed out of sight in back packs during formative assessments. Students are not allowed to photograph formative assessments.

Please bring a calculator with a log function to each class and formative assessment. Calculators can be used on tests, but cannot be shared with other students. Cell phones cannot be used as calculators on tests.

Please adopt a "buddy" [a fellow class member] to "cover" for you when you're absent from course activities. Your buddy should pickup any handouts and take notes for you. Students are responsible for material covered during an absence.

A student with special medical problems should either contact his/her buddy or the instructor so we'll know what to do in a medical emergency.

Keep in mind that topics in this (and other 200, 300, and 400 level) courses serve as a foundation for writing and speaking assignments in SHS 400 (Capstone course).

Remediation:
Students with unsatisfactory performance scores in the course may wish to consider the following remediation strategies:
1. Refer to your textbook in order to supplement lectures;
2. Review online/personal notes more often and prior to class;
3. Utilize study/drill materials provided on Blackboard (as applicable);
4. Begin formal studying 3 to 5 days prior to formative assessments;
5. Schedule formal study periods when you're rested, relaxed, and free from distractions (eg., cell phones, TV, friends, etc.)
6. Create self-study questions on note cards (lists, definitions, short answers, chart/graph identification) generated from course materials and other readings. WRITE answers; strive for 100% correct responses without prompts from notes, textbooks, or other students;
7. Contact your course buddy to assist with note taking and scheduling study times;
8. Join classmates for "group" study sessions;
9. Contact ODA as needed to request accommodations to which you are entitled.

In compliance with USM LEC guidelines 2/13/06 [www.usm.edu/lec/teaching_resources_syllabus.html]

CLASS MEETING DATES, TENTATIVE TOPICS AND TEST [FORMATIVE ASSESSMENT] DATES:

6/5
- Intro, course outline,
  - Anatomy assignments [Figure 9-1, p. 222; Figure 10-1, p. 238; Figure 11-6, p. 281]
  - Audiology and its development [Ch 1, pp. 3-11]
  - Essentials of sound [Ch 3, pp 28-29; 35-36; 44-45]
  - Layout and organization of audiograms
  - Everyday sounds and the audiogram [Ch 3, pp. 25-26]
  - Audiogram symbols [Ch 4, p. 82]
  - Pure tone averages [Ch 4, p. 79]
  - Hearing impairment, handicap, disability [Ch 4, p. 81; Ch 15, p. 409]
  - Relationships between audiograms and speech [Speech banana, Ling and Ling audiograms]
  - TAPE: Soundwaves and their Sources [EB]
  - TAPE: How We Hear [Beltone]
  - TAPE: Tour of the Ear [Disney]

6/19
- Test # 1
  - Introduction to audiometers [Ch 4, p. 69]
  - Pure tone hearing screening [Ch 8, p. 213]
  - Practical experience: pure tone hearing screening
  - Pure tone threshold testing [Ch 4, p. 78]
  - Practical experience: pure tone threshold testing
  - Basic pathologies [Ch 9- Outer ear; Ch 10- Middle ear; Ch 11- Inner ear]

7/12
- Test # 2
  - Intensity references associated with audiometry [HL: Ch 3, pp. 42-43. SPL: Ch 3, p. 41. SL: Ch 3, p. 44]
  - Speech Audiometry [SRT: Ch 5, pp. 113-117; Spondees: Ch 5, p. 113; Word discrimination: Ch 5, pp. 123-125, Word discrimination intensity [Ch 5, p. 132].
  - Practical experience with SRT and word discrimination measures
  - Air-conduction and bone conduction pathways [Ch 2, p. 13; Ch 4, pp 76-87]
  - Rationales for masking [Ch 4, p 85, 87-91]
  - Criteria for determining type of hearing loss [Ch 4, pp. 87-91]
  - Practice items: determining and describing type and severity of hearing loss; criteria for referral
7/26 [ Wednesday ] Test #3 -- Final Exam  Time: 10:45 a.m. – 1:15 p.m.