COURSE: SHS 701 [Seminar in Psychoacoustics] Summer 2017
INSTRUCTOR: Dr. Terrio [Office- Rm 228 JBG Bldg, Phone 266-5216] [Office hours are posted to my door]

FORMAT: 3 hours credit, lecture, class discussion
PLACE: Seminar room, Rm 206 JBG Bldg, T-Th (12:20-2:30)


SUPPLEMENT: Bring a calculator with a log function to all class meetings.

CATALOG PRESENTS methods for studying perception of acoustic signals, detection of stimuli, perception of loudness, and pitch.

DESCRIPTION: Principles, methods, and applications of psychoacoustics
Physical characteristics and measurement of acoustic stimuli

FORMATIVE OUTCOMES ASSESSMENT: Learning outcomes will be assessed with an exam following completion of each major course topic. Formative assessments follow an “objective” [ fill-in-the blank, multiple-choice, short answer, listing ] format. Half-credit for correct items that are incorrectly spelled. The final exam is comprehensive.

GRADING: The final grade for this course is derived by adding points from all tests and computing an average score - A: 90-100%  B: 80-89%  C: 70-79%  D: 60-69%

MAKE-UP EXAMS: Students are expected to complete make-up exams within one week after returning from a medical absence. A physician’s 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.

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.”

Academic Integrity Statement
All students at the University of Southern Mississippi are expected to demonstrate the highest levels of academic integrity in all that they do. Forms of academic dishonesty include (but are not limited to):

- Cheating (including copying from others' work)
- Plagiarism (representing another person's words or ideas as your own; failure to properly cite the source of your information, argument, or concepts)
- Falsification of documents
- Disclosure of test or other assignment content to another student
- Submission of the same paper or other assignment to more than one class without the explicit approval of all faculty members’ involved
- Unauthorized academic collaboration with others
- Conspiracy to engage in academic misconduct

GENERAL:
If you choose to withdraw from this course, please initiate proper “drop” procedures either online through SOAR or in person through the Registrar’s Office. Your instructor is required to enter a final letter grade of “F” if a student simply stops attending class.

Class attendance is required; 10 points are deducted from the final grade for each unexcused absence (doctor’s excuse required).

Check the Registrar’s calendar for the last day to drop this course without academic penalty. If you choose to withdraw from this course after the official “drop” date has passed, your instructor is required to enter a grade of “WP” or “WF” based on your performance in the class at the time of withdrawal.

Please do not ask your instructor for your final grade. Final grades are available through SOAR.

Please do not ask to take any exam early. The University requires that students complete final exams only at scheduled times.

Instructors are not allowed to discuss grades over the phone or by email for any reason.

Please adopt a “buddy” [a fellow class member] to “cover” for you when you’re absent. Your buddy should pickup any handouts and take notes for you. Each student is ultimately responsible for any material covered during an absence.

Please switch-off cell phones prior to the beginning of class. 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 or in any way reproduce or distribute formative assessments. Cell phones cannot be used as a calculator on tests.

Any student with special medical needs is asked to contact his/her buddy or the instructor so we’ll know what to do in a medical emergency.

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 (e.g., 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.

Mental Well-Being Statement
USM recognizes that students sometimes experience challenges that make learning difficult. If you find that life stressors such as anxiety, depression, relationship problems, difficulty concentrating, alcohol/drug problems, or other stressful experiences are interfering with your academic or personal success, consider contacting Student Counseling Services on campus at 601-266-4829. More information is also available at https://www.usm.edu/student-counseling-services. All students are eligible for free, confidential individual or group counseling services. In the event of emergency, please call 911 or contact the counselor on call at 601-606-HELP (4357).

TENTATIVE TOPIC SEQUENCE:
- Frequency encoding in the cochlea, tone-on-tone masking [Cochlear Mechanism, Auditory Pathways]
- Frequency and intensity coding in the cochlea and cochlear implants
- Phon/Sone Scales [Loudness]
- Auditory discrimination [Auditory Sensitivity]
- Psychoacoustic methods [Psychoacoustic Methods]
- Principles of localization [Binaural hearing]
- Principles of problem solving
- Principles of speech perception [Speech Perception]
Principles of masking [Masking]