

COURSE: SHS 202 [Lecture], SHS 202L [Lab] (Fall, 2007)

INSTRUCTOR: Dr. Terrio [Office Rm 228 SRS Phone 266-5216] [Office hours are posted to my door];
202L: Graduate assistant

PREREQUISITES: None

FORMAT: 202: 3 hrs credit; Class lecture [WebCT supplement] 1:00 p.m. MWF
202L: 1 hr credit; Computer Assisted Instruction [WebCT supplement]

TIME: SHS 202: M, W, F: 1:00 – 1:50 SHS 202L: See section listings

PLACE: SHS 202: TBA SHS 202L: Rm 111 SRS Bldg [computer lab]

TEXT: 202: Mullin, et al. [2003]. Fundamentals of Sound ... Boston, MA: Allyn & Bacon
202L: Classroom Instructional Booklet [USM Bookstore]
Online supplements: www.usm.edu; click "online learning."

ACADEMIC HANDBOOK DESCRIPTION: The basic principles concerning sound production and reception are presented. The relationship of these principles to the practice of speech pathology and audiology is established.

ASHA KASA content:	Speech-language [3/2003]	Audiology [3/2003]
	Standard III-B: The applicant must demonstrate knowledge of basic human communication ... including their biological ... and acoustic bases.	Standard IV-B13: Foundations: The applicant must have knowledge of physical characteristics and measurement of acoustic stimuli

OBJECTIVE: The student will identify terms related to amplitude, frequency, and temporal dimensions of simple and complex sound.

Indicator: The student will identify basic terminology through classroom lectures, exercises and question / answer sessions as well as through independent, self-test items on WebCT course supplements.

Target: 80% or higher level of accuracy

Indicator: The student will respond in writing to pertinent items included on formative assessments.

Target: 80% or higher level of accuracy

OBJECTIVE: The student will develop the skills needed to identify and quantify amplitude, frequency, and temporal characteristics of simple and complex sound from oscillograms, power spectra and spectrograms.

Indicator: The instructor will check the student's written computations of the physical characteristics of sound in exercises conducted during class meetings. Students will independently complete similar exercises on WebCT course supplements.

Target: 80% or higher level of accuracy

Indicator: Students will respond in writing to pertinent computational items included on formative assessments.

Target: 80% or higher level of accuracy

FORMATIVE OUTCOMES ASSESMENT: The 4 exams in this course follow an 'objective' [listing, short answer, fill-in-the-blank] format. 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.

Each test contains separate sections, one for SHS 202 and one for SHS 202L. Separate grades are reported for each section.

SHS 202: Test 1= 50 pts; Test 2=50 pts; Test 3=50 pts; Test 4=50 pts. [Total=200]
SHS 202L: Test 1=50 pts; Test 2=50 pts; Test 3=50 pts; Test 4=50 pts. [Total=200]

SCORING: Your final grade in SHS 202 and 202L is computed separately. The total number of points from respective sections on tests are added, then divided by the total number of points available [200 points] to derive your percentage score.

[over]

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

MAKE-UP EXAMS: There are no make-up exams in either SHS 202 or SHS 202L:

- A. If a student misses test 1 or 2, the following test counts double;
- B. If a student misses test 3, the lowest score from tests 1 or 2 counts double;
- C. If a student misses more than one test, each missed test [after the first] counts for zero points;
- D. Students must take the final exam; a missed final exam counts for zero points.

OFFICIAL USM STATEMENT: 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 [Suzanne . Hebert @ 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."

GENERAL:

If you choose to withdraw from this course, please initiate proper "drop" procedures in the Registrar's Office. Your instructor is required to enter a letter grade of "F" if a student simply stops attending class.

If you choose to withdraw from this course after the official "drop" period 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 your on-line SOAR account.

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

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

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

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 responsible for any material covered during an absence.

Please switch-off cell phones prior to the beginning of class, lab meetings, and exams.

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

Students with special medical needs are asked to either contact their buddy or the instructor so we'll know what to do in a medical emergency.

Assigned Reading	Module	Module Contents
	2	Requirements for and dimensions of sound; Intro to oscillograms, power spectra, spectrograms
	3	Time, Period, Amplitude, Frequency
Ch 6	4	Phase, Summation Effects
Ch 11	5	Amplitude, Intensity, Decibels
Ch 1	6	Particle motion, Wavelength, Inverse Square Law
Ch 7	7	Periodic notations
Ch 6	8	Periodic and aperiodic spectra
Ch 8	9	Vocal spectra
Ch 8	10	Resonance and formants
Ch 9	11	Spectrograms [Vowels, Voiceless non-resonants]
Ch 9	12	Spectrograms [Voiced non-resonants], Speech rates, Segmentation, [Meaning]
Ch 9	13	Spectrograms [Resonant consonants]

