UNIVERSITY OF SOUTHERN MISSISSIPPI  
Department of Speech and Hearing Sciences  
SHS 601-H001 Designs in Research for Speech and Hearing (Lecture)  
Fall 2016

**Class Number** 15488, **Course ID** 007660, **Units:** 3 units,  **Room:** JBG 203  
**Dates:** 8/24/2016 - 12/16/2016,  **Days & Times:** TuTh 8:00 AM – 9:15 AM  
**Drop Date:** See academic calendar on university website  
**Catalog Description:** This course covers designs in research for speech and hearing such as statistical procedures concerning group and single-subject design.

**Instructor:** Amitava Biswas, Ph.D.  
**E-mail:** Amitava.Biswas@usm.edu  
**Office:** JBG 112,  **Office Hours:** TuTh 9:15 AM - 11:00 AM and by appointments.  
**Telephone:** (601) 266-6118,  **Fax:** (601) 266-5224

**Required Textbooks** (Generally latest available editions from USM bookstore):  
Muma, J. Scholarship in communication disorders: Raising the bar. Hattiesburg, MS: Natural Child.  
Orlikoff RF, Schiavetti NE, and Metz DE. Evaluating Research in Communication Disorders. Pearson, Boston.

**Recommended Bibliography** (Generally latest available editions from USM bookstore):  
Zemlin, W.R. *Speech and hearing science*. NJ: Prentice Hall.

**Course Objectives**  
This course is intended to develop students into qualified consumers of the published research in their professional area. This objective will be pursued by developing the student’s ability to evaluate research articles published in peer reviewed journals. A second objective is to develop the student’s ability to incorporate evidenced based practice into their work environment. Both objectives will be pursued by instructor-led group (classroom) discussion of research articles that have been read, reviewed, and summarized (in writing) by students prior to the discussion.
Student Learning Outcomes:
Upon successful completion of this course, the student will be able to
1. Understand, value and utilize the principles and levels of scholarship.
2. Develop a research hypothesis based on reviewing of the pertinent literature.
3. Develop a research proposal, including literature review, and methods section.
4. Present critically evaluated reviews of professional literature

Accreditation Standards (KASA):
All learner outcomes fulfill the criteria for the following American Speech-Language-Hearing Association (ASHA) standards. To view specific information on these standards, visit www.usm.edu/shs/speech.htm and click on KASA competencies. Competencies covered in this class: IV—G—2 Measures performance: expressive / receptive language, cognition, social functions.

Tentative Course Outline:
The following is the tentative course sequence adopting the textbook chapters. The timing of the course sequence is often influenced by class discussion and participation. This sequence may be altered as the course progresses:
- Levels of Scholarship
- Philosophical Views
- Theoretical Perspectives
- Statistics
- Distributions and Data
- Internal and External Validities
- Different Kinds of Research
- Evidence-Based Practice
- Important Concerns

Class Requirements:
Students must be willing to accept the responsibilities of university graduate students by reading the materials, taking the tests, completing assignments, and participating appropriately in class (e.g., adding to class discussion). Some classwork and homework will be assigned from time to time for practice and monitoring attention and progress even if not counted directly in the final grade.

Exam Policy / Formative Assessment:
There will be four examinations - three regular exams and a final exam. Every exam may cover any material covered earlier. Exams may consist of multiple choice, matching, diagramming, true-false, fill-in-the blank, short answer, and/or essay questions. Some of the exams may be online, or paper or scantron type. No make-up exams will be given. Should a student miss one of initial three regular exams (not the final exam), that student will receive a grade equivalent to the lowest of the other three exams. If a student has two such grades, the student automatically fails the course. The final examination is required. Missing the final examination is an automatic failure. Scheduling of the exams or if there is a change in the scheduling of the exams and/or requirements, it will be announced by the instructor well in advance. The final exam is scheduled according to university calendar.

Summative Assessment:
In small groups approved by the instructor, students will develop written and oral presentations in their own words on specific topics of a project directly relevant to this
course. Soon after students have chosen specific activities, they will reserve and declare to ensure no duplications among others as they develop their projects.

**Grading Policy:**
Each examination and the project will be worth 100 points: The final grade will be based upon percentage earned.
Grading Scale: 90-100% = A; 80-89% = B; 70-79% = C; 60 – 69% = D; < 59% = F.

**Late Assignments or Projects:**
Late assignments will not be accepted. Presentations and any other assignments or particular components of the project must be turned in on the due date to avoid receiving a grade of “0”.

**Remediation:**
Should formative and summative assessments indicate that you are not meeting the objectives of the class, you may be required to participate in remedial activities (e.g., additional readings, additional writings, individual meetings with the instructor, follow-up assessments, and so forth) designed to permit you to successfully complete the course. Participation in those remedial activities, however, will not guarantee your successful completion of the course.

**Academic Honesty:**
The following is from USM 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.”

**ADA Policy:**
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.

**GENERAL:**
Students are expected to check email at their USM-address regularly for any official communication.

Class attendance is required. Unexcused absences will not be permitted and will result 5% decrease in the final grade. Arriving after the class starts and/or departing before the class
ends, will result 1% decrease in the final grade. For excuse, doctor’s notes/documents are required which can be verified by the instructor.

Students are responsible for purchasing or borrowing a dependable computer that is suitable for working on-line assignments. Such activities should be completed in a timely manner. Students who wait until the last moment make themselves vulnerable to unforeseen events such as forgotten assignments from other professors, loss of essential equipment, shortage of important resources, prioritized social activities, etc.

Please disable cell phones and other smart devices during class, unless essential and permitted by the instructor. Please do not use such devices or apps (mp3 players, video game, whatsapp, youtube, facebook, skype, twitter etc) in the class for any distracting activity to you or others, especially if it potentially hampers the immediate instructional purpose in the class. Students who inappropriately use any such devices or apps during class may not be permitted to use it for the remainder of the semester and may have additional appropriate restrictions.

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. Your instructor will not discuss grades over the phone, by email or text message for any reason. Please do not ask your instructor for your final grade. Final grades are available through your on-line SOAR account.

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.

The instructor will be available during posted office hours and by advance appointments for individual issues. The best time to ask common questions relevant to all students is during the class.