UNIVERSITY OF SOUTHERN MISSISSIPPI  
Department of Speech and Hearing Sciences  
SHS 648-H001 Motor Speech Disorders  
Summer 2016

Class Num 5134, Course ID 007671, Units: 3 units, Room: JBG 203  
Dates: 5/30/2016 - 8/5/2016, Days & Times: MW 8:00 AM – 10:10 AM  
Drop Date: See academic calendar on university website  
Catalog Description: This course covers evaluation and treatment of motor speech disorders associated with lesions of the central nervous system.

Instructor: Amitava Biswas, Ph.D.  
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Office: JBG 112, Office Hours: MW 10:15 AM - 1:15 PM and by appointments.  
Telephone: (601) 266-6118, Fax: (601) 266-5224

Required Textbook:  

Recommended Bibliography:  

Course Objectives / Student Learning Outcomes:  
Upon successful completion of this course, the student will be able to  
1. Provide a brief overview of the history of motor speech disorders.  
2. Administer a motor speech examination.  
3. Develop an understanding of what the motor system is, and how it works.  
4. Diagnose various motor speech disorders including flaccid dysarthria, spastic dysarthria, unilateral upper motor neuron dysarthria, ataxic dysarthria, hypokinetic dysarthria, hyperkinetic dysarthria, mixed dysarthria, and apraxia of speech.  
5. Develop appropriate treatment strategies for the motor speech disorders
6. describe the acoustic parameters of sound and how they relate to speech.
7. describe the anatomical and physiological organization of the central nervous system.
8. describe the nature of motor speech and related disorders.
9. describe the procedures used in assessment of motor speech and related disorders.
10. describe the procedures used in treatment of motor speech and related disorders.
11. describe the nature of assistive technology and its impact on motor speech and related disorders.
12. describe the resources available to persons and family who have motor speech and related disorders.
13. use formulae and calculate various acoustic parameters of speech.
14. identify peripheral versus central deficits.
15. use procedures in identification and assessment of motor speech disorders.
16. use procedures, strategies, assistive technology in treatment of motor speech and related disorders.

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: Standard III-C: Demonstrate knowledge of the nature of speech, language, hearing, and communication disorders and differences and swallowing disorders, including their etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlate. Specifically articulation. Standard III-D: Possess knowledge of the principles of prevention, assessment, and intervention for people with communication and swallowing disorders, including consideration of anatomical/physiological, psychological, developmental, and linguistic and cultural correlates of the disorder. Specifically articulation.

Tentative Course Outline:
The following is the tentative course sequence. The timing of the course sequence is often influenced by class discussion and participation. This sequence may be altered as the course progresses.:
- Historical Review of Motor Speech Disorders.
- Components of the Motor System, Structure and Function of the Motor System
- Evaluation of Motor Speech Disorders
- Flaccid Dysarthria
- Spastic Dysarthria
- Unilateral Upper Motor Neuron Dysarthria
- Ataxic Dysarthria
- Hypokinetic Dysarthria
- Hyperkinetic Dysarthria
- Mixed Dysarthrias
- Apraxia of Speech

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 groups of two, students will prepare to present within 20 minutes maximum on a specific topic directly focused on one of the chapters of the textbook. Once students have selected a specific topic, they should sign up so there will be no duplication. The actual presentation should include external sources of information, at least two peer reviewed research publications dated 2010 or later. Students should include a one-page handout for the class summarizing the presentation. APA style is required.

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 reliable computer that is suitable for working on-line assignments; these materials should be accessed well in advance of formative assessments; students who wait until close to the deadline make themselves vulnerable to unforeseen events such as forgotten assignments from other classes, loss or breakdown of equipment, shortage or unavailability of required resources, and so forth.

Please disable cell phones and other smart devices during class, unless essential and permitted by the instructor. Please do not use such devices (mp3 players, computers 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 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.