The University of Southern Mississippi  
College of Nursing and Health Professions  
School of Speech and Hearing Sciences  
Spring 2019  
SHS 648-H001 Motor Speech Disorders

Catalog Description: This course covers evaluation and treatment of motor speech disorders associated with lesions of the central nervous system.

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Drop Date: See academic calendar on university website.

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.

ADOPTED TEXTS:


Recommended Bibliography:

**Course Objectives / Student Learning Outcomes:**
Upon successful completion of this course, the student will exceed 90% of:
Provide a brief overview of the history of motor speech disorders.
Administer a motor speech examination.
Develop an understanding of what the motor system is, and how it works.
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.
Develop appropriate treatment strategies for the motor speech disorders
Describe the acoustic parameters of sound and how they relate to speech.
Describe the anatomical and physiological organization of the central nervous system.
Describe the nature of motor speech and related disorders.
Describe the procedures used in assessment of motor speech and related disorders.
Describe the procedures used in treatment of motor speech and related disorders.
Describe the nature of assistive technology and its impact on motor speech and related disorders.
Describe the resources available to persons and family who have motor speech and related disorders.
Use formulae and calculate various acoustic parameters of speech.
Identify peripheral versus central deficits.
Use procedures in identification and assessment of motor speech disorders.
Use procedures, strategies, assistive technology in treatment of motor speech and related disorders.

**Assessment & Course Requirements:**
Unless otherwise necessary, all graded activities will be in class or via canvas. If you do not live within driving distance of the campus, you may take the tests using an approved off-campus proctor. Prior arrangements for proctored examinations must be made prior to the scheduled examination. For additional information about proctored examinations, click on the off-campus proctor link on the homepage.

**Exam Policy / Formative Assessment:**
There will be four examinations, including the 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. All four exams in this course will be conducted in class or via canvas. Each of the top three scores of the four exams will weigh 20% of the course grade, and the lowest score of the four exams will weigh 10% of the course grade. The final examination is required. Missing the final examination is an automatic failure.

**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. Regular classroom/online activities and corresponding grades will be progressively spread over the semester and will weigh 30% of the course grade.

**Grading Scale:**
The number of points obtained out of the total possible points will determine the final grade. If a student is absent for an exam or assignment, she/he will be losing all the points meant for that exam. The student’s final grade is based on the average of points obtained from all the exams and assignments. Grading Scale: 90-100% = A; 80-89% = B; 70-79% = C; 60 – 69% = D; < 59% = F.

**Remediation:**
Students who make a grade lower than “B” on any examination must contact the instructor to discuss study habits and the reasons for poor performance. Extra readings and additional homework assignments may be allocated as necessary to ensure the acquisition of the requisite knowledge and skills. Participation in the remedial work may not automatically result in a grade change.

**ADA STATEMENT:**
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.*

**ACADEMIC HONESTY:**
Students at The University of Southern Mississippi are expected to practice academic honesty in all their work at the University. ([https://www.usm.edu/institutional-policies/policy-acaf-pro-012](https://www.usm.edu/institutional-policies/policy-acaf-pro-012)). 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 or expulsion. Academic dishonesty also includes any submission of false documents such as add/drop forms, substitutions, special requests, etc. Students on disciplinary suspension may not enroll in any courses offered by The University of Southern Mississippi. The University of Southern Mississippi (2017). Academic Honesty. [https://www.usm.edu/student-handbook/academic-honesty](https://www.usm.edu/student-handbook/academic-honesty)

**PLAGIARISM POLICY:**
Plagiarism is scholarly theft, and it is defined as the unacknowledged use of secondary sources. More specifically, any written or oral presentation in which the writer or speaker does not distinguish clearly between original and borrowed material constitutes plagiarism. Because students, as scholars, must make frequent use of the concepts and facts developed by other scholars, plagiarism is not the mere use of another’s facts and ideas. However, it is plagiarism when students present the work of other scholars as if it were their own work.
Plagiarism is committed in a number of ways:
a. reproducing another author's writing as if it were one's own;
b. paraphrasing another author's work without citing the original;
c. borrowing from another author's ideas, even though those ideas are reworded, without giving credit;
d. copying another author's organization without giving credit.
Plagiarism is a serious offense. An act of plagiarism may lead to a failing grade on the paper and in the course, as well as sanctions that may be imposed by the student judicial system.

ACADEMIC INTEGRITY:
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):
a. Cheating (including copying from others' work);
b. Plagiarism (representing another person's words or ideas as your own; failure to properly cite the source of your information, argument, or concepts);
c. Falsification of documents;
d. Disclosure of test or other assignment content to another student;
e. Submission of the same paper or other assignment to more than one class without the explicit approval of all faculty members' involved;
f. Unauthorized academic collaboration with others;
g. Conspiracy to engage in academic misconduct.
Engaging in any of these behaviors or supporting others who do so will result in academic penalties and/or other sanctions. If a faculty member determines that a student has violated our Academic Integrity Policy, sanctions ranging from resubmission of work to course failure may occur, including the possibility of receiving a grade of “XF” for the course, which will be on the student’s transcript with the notation “Failure due to academic misconduct.” For more details, please see the University’s Academic Integrity Policy. Note that repeated acts of academic misconduct will lead to expulsion from the University.

MENTAL WELL-BEING:
Southern Miss 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 www.usm.edu/student-counseling- services. All students are eligible for free, confidential individual or group counseling services. In the event of an emergency, please call 911 or contact the counselor on call at 601.606.HELP (4357).

COURSE WORKLOAD:
Students are expected to invest considerable time outside of class in learning the material for this course. The expectation of the University of Southern Mississippi is that each week students should spend approximately 2-3 hours outside of class for every hour in class working on reading, assignments, studying, and other work for the course. We realize that most students work and have family or other obligations. Time management is thus critical for student success. All students should assess their personal circumstances and talk with their advisors about the appropriate number of credit hours to take each term, keeping in mind that 30 credit hours each year are needed to graduate in four years. Resources for academic support can be found at www.usm.edu/success.
**TENTATIVE SCHEDULE:**
The following topics will be sequentially covered. Students are responsible for reading the assigned modules in synchrony with the lectures. Some of the details may be adjusted according to appropriate demands of the class.

Historical Review of Motor Speech Disorders.
Components of the Motor System, Structure and Function of the Motor System
Evaluation of Motor Speech Disorders
□ Participation/project completion – Part A.

**Exam#1: Friday, 2/15/2019**
Flaccid Dysarthria
Spastic Dysarthria
Unilateral Upper Motor Neuron Dysarthria
□ Participation/project completion – Part B.

**Exam#2: Friday, 3/8/2019**
Ataxic Dysarthria
Hypokinetic Dysarthria
Hyperkinetic Dysarthria
□ Participation/project completion – Part C.

**Exam#3: Friday, 4/12/2019**
Mixed Dysarthrias
Apraxia of Speech
□ Participation/project completion – Part D.

**Exam#4 (FINAL): Monday, 5/6/2019**