COURSE DESCRIPTION

In this course, ‘students explore the anatomy and physiology of speech and hearing including respiration, phonation, resonance, articulation and perception. An introduction to the central and peripheral nervous systems also is provided.’ Upon completion of the course, students should be able to:

1. Identify the major structures involved in each of the multiple biological subsystems involved in the human speech mechanism

2. Describe the process by which communication is achieved in the human, including descriptions of how each of the following systems functions: respiration, phonation, resonation, articulation, audition and neurology

3. Tie major structures into specific functions and understand how they relate to human communication

This course is required for all students prior to enrolling in graduate level courses for the MA in Education with an Option in Communicative Sciences and Disorders.

GENERAL CONSIDERATIONS

Writing: In keeping with the All-University Writing Requirement, all 3 unit courses must have a writing component of at least 2,500 words (approximately 10 pages) which can be administered in a variety of ways.

Appeals: Every student has the right to appeal grades, or appeal for redress of grievances incurred in the context of any course. Disputes may be resolved informally with the professor, or through the formal appeal process.

Ability: Every student has the right to equitable educational consideration and appropriate accommodation. Students having differing ability (mobility, sight, hearing, documented learning challenges, first language/English as a second language) are requested to contact the professor at the earliest opportunity. Every effort will be made to accommodate special needs. Students are reminded of the availability of Disabled Student Services, the Writing Center, technology assistance in the computer labs, and other student support services available as part of reasonable accommodation for special needs students.
**Students with Disabilities Requiring Reasonable Accommodations.** Students are approved for services through the Disabled Student Services Office (DSS). This office is located in Craven Hall 5205, and can be contacted by phone at (760) 750-4905, or TTY (760) 750-4909. Students authorized by DSS to receive reasonable accommodations should meet with their instructor during office hours or, in order to ensure confidentiality, in a more private setting.

**REQUIRED TEXTS/READINGS**


**NOTE:** Assigned text MUST be brought to ALL class sessions.

**GRADING STANDARDS**

*Grading Scale: In percentage of final points*

- **A** = 90 - 100 points
- **B** = 80 - 89 points
- **C** = 70 - 79 points
- **D** = 60 - 69 points

*Grading Emphasis:* Each written assignment will be graded approximately 80% on content (detail, logic, synthesis of information, depth of analysis, etc.), and 20% on mechanics (grammar, syntax, spelling, format, uniformity of citation, etc.).

**COURSE REQUIREMENTS**

Assignments:

All assignments are due on the dates indicated. **NO LATE HOMEWORK WILL BE ACCEPTED!** Assignments must be typewritten/word processed, double-spaced and with standard margins. It is expected that all assignments will reflect university-level composition and exposition. Use of electronic spelling and grammar checking is encouraged.

1. Response Papers 150 points
2. Mini Exam # 1: Respiration 50 points
   Mini Exam # 2: Phonation 50 points
   Mini Exam # 3: Articulation 50 points
   Mini Exam # 4: Audition 50 points
   Mini Exam # 5: Neurology 50 points
3. Summary Paper 100 points

**Total** 400 points

1. **Response Papers (150 points): Noted on schedule as RP**

You will be required to complete 10 response papers which you will demonstrate your understanding about the readings and information presented in class. The purpose of the response papers is to provide students with regular opportunities to demonstrate the knowledge they are acquiring, and to have frequent exposure to the terms, structures and processes that we will be discussing.
2. **Mini Exams (50 points each: 250 total points)**

You will be required to take 5 mini exams covering each of the main subsystems of the speech and hearing mechanism. Each exam will cover both anatomy and physiology so it is important to know both the structures and their functions.

3. **Summary Paper (100 points): Noted on schedule as SP**

You will be required to write one chapter summary paper during the third week of class when we will not meet. The summary paper will be a clear, concise synthesis of the main points of Chapter 4: Physiology of Respiration. Specifically, you should ensure that you can clearly describe the process by which respiration works, related to pressures and volumes, and also how this changes for speech production. Papers need to demonstrate understanding rather than regurgitation. Papers should be limited to 5 pages, double spaced.

**FOOD FOR THOUGHT**

The course deals with complex material processed in a variety of ways. Structured interactions, group activities, and guided discussion of readings are the norm. **Students are expected to have read assigned materials by the date indicated in the syllabus, and should be prepared to discuss readings individually or in variously structured groups.** The degree of your engagement in these processes forms the basis for your understanding of the material and success in the class. Due to the fast paced and highly interactive nature of the course, regular attendance and full participation are expected: teaching and learning is difficult (if not impossible) if one is not present for and engaged in the process.

**For those wishing to enter into the MA in Education, Option in Communicative Sciences and Disorders:** Please keep in mind that your professionalism and hard work in this class not only affect your course grade, but also indicate your readiness for a Masters/Credential program. Everything you do speaks – as such, it is recommended that carefully check your actions and ensure they say what you really want them to say.

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### TENTATIVE COURSE SCHEDULE

*This schedule is tentative subject to negotiated changes in response to class demands*

**ASSIGNMENTS ARE TO BE COMPLETED FOR THE DATE SPECIFIED**

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<thead>
<tr>
<th>DATE</th>
<th>TOPIC/ACTIVITY</th>
<th>ASSIGNMENT</th>
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<tbody>
<tr>
<td>Week 1</td>
<td><strong>Tuesday:</strong> 1/23/07&lt;br&gt;<strong>Thursday:</strong> 1/25/07</td>
<td><strong>Introductions/syllabus review/expectations</strong>&lt;br&gt;<strong>Anatomical terms</strong>&lt;br&gt;Chapter 2</td>
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<td>Week 2</td>
<td><strong>Tuesday:</strong> 1/30/07&lt;br&gt;<strong>Thursday:</strong> 2/1/07</td>
<td><strong>Respiration: Framework</strong>&lt;br&gt;<strong>Respiration: Muscles</strong>&lt;br&gt;p. 35-75&lt;br&gt;p. 75-114; <strong>RP #1 Due</strong></td>
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<td>Week 3</td>
<td><strong>Tuesday:</strong> 2/6/07&lt;br&gt;<strong>Thursday:</strong> 2/8/07</td>
<td><strong>No class: INS Annual Conference</strong>&lt;br&gt;Work on Summary paper... to be turned in Tuesday 2/13</td>
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<td>Week 4</td>
<td><strong>Tuesday:</strong> 2/13/07&lt;br&gt;<strong>Thursday:</strong> 2/15/07</td>
<td><strong>Respiration: Mechanics</strong>&lt;br&gt;<strong>Respiration: Disorders &amp; Review</strong>&lt;br&gt;Chapter 4; <strong>SP Due</strong></td>
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<td>Week 5</td>
<td><strong>Tuesday:</strong> 2/20/07&lt;br&gt;<strong>Thursday:</strong> 2/22/07</td>
<td><strong>Mini Exam # 1: Respiration</strong>&lt;br&gt;<strong>Phonation: Framework</strong>&lt;br&gt;p. 161-183</td>
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<td>Week 6</td>
<td><strong>Tuesday:</strong> 2/27/07&lt;br&gt;<strong>Thursday:</strong> 3/1/07</td>
<td><strong>Phonation: Musculature</strong>&lt;br&gt;<strong>Phonation: Mechanics</strong>&lt;br&gt;p. 183-210; <strong>RP#2 Due</strong>&lt;br&gt;Chapter 6; <strong>RP#3 Due</strong></td>
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<td>Week 7</td>
<td>Tuesday: 3/6/07</td>
<td>Phonation: Disorders &amp; Review</td>
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<td>Week 8</td>
<td>Tuesday: 3/13/07</td>
<td>Mini Exam #2: Phonation</td>
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<td>p. 263-300</td>
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<td>Week 9</td>
<td>Tuesday: 3/20/07</td>
<td>Articulation: Structures</td>
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<td>Spring Break: 3/26-3/30</td>
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<td>Articulation: Disorders &amp; Review</td>
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<td>Week 10</td>
<td>Tuesday: 4/3/07</td>
<td>Articulation: Structures</td>
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<td>Week 11</td>
<td>Tuesday: 4/10/07</td>
<td>Audition: Structures</td>
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<td>Week 12</td>
<td>Tuesday: 4/17/07</td>
<td>Mini Exam # 4: Audition</td>
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<td>Week 13</td>
<td>Tuesday: 4/24/07</td>
<td>CNS</td>
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<td>Week 14</td>
<td>Tuesday: 5/1/07</td>
<td>PNS</td>
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