COURSE DESCRIPTION:
This course is designed to provide the undergraduate student with a functional knowledge of normal anatomy and physiology of the speech, language, and hearing mechanism. Attention will be given to the specific structures, muscles, and function of respiration, phonation, articulation, and hearing. An overview is also provided of the central and peripheral nervous system. Specific breakdowns in anatomical and physiological functioning resulting in communication disorders will be discussed.

Course Pre/co-requisites
LIN 101 (pre), Phonetics (co)

COURSE OBJECTIVES
By the conclusion of this course, students are expected to:
- Identify the anatomical structures of the central and peripheral nervous system, and discuss their functional role
- Explain how the anatomical structures of the central and peripheral nervous system affect speech, language, and hearing development and disorders
- Identify the anatomical structures involved in respiration, phonation, resonance, articulation, and hearing and explain their effect on speech, language, and hearing development and disorders
- Explain the physiological functions of the structures of respiration, phonation, resonance, articulation, and hearing and explain their effect on speech, language, and hearing development and disorders

COURSE REQUIREMENTS

Attendance and Make-Up Policy
Attendance, participation and contributions are mandatory. The way to do well in this class is to do all the readings and assignments, come to every class, take notes and ask questions when you don’t understand something. Assignments must be handed in on time (or earlier); no late assignments will be accepted beyond 1 week after the original due date. Late assignments will
receive one letter grade lower if handed in late. You must arrive in class on time; late-comers will be marked as absent.

As class contributions (different from participation) in seminars are essential to learner outcomes, perfect attendance is expected. More than one class absence will result in a lower grade. Each student will begin each seminar with a class participation score of 3. They will have the opportunity to positively or negatively affect this score as outlined in the chart below (Adapted from M. Maznevski, University of Virginia).

<p>| | |</p>
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| 5 | • Demonstrates excellent preparation: has analyzed information exceptionally well, relating it to readings and other material (e.g., readings, course material, discussions, experiences, etc.)  
• Contributes in a very significant way to ongoing discussion: keeps analysis focused, responds very thoughtfully to other students' comments  
• Demonstrates ongoing very active involvement |
| 4 | • Demonstrates good preparation: knows reading facts well  
• Offers interpretations and analysis of material (more than just facts) to class.  
• Contributes well to discussion in an ongoing way: responds to other students' points, thinks through own points  
• Demonstrates consistent ongoing involvement |
| 3 | • Demonstrates adequate preparation: knows basic reading facts, but does not show evidence of trying to interpret or analyze them  
• Offers straightforward information without elaboration or very infrequently (perhaps once a class) |
| 2 | • Present, not disruptive. Does not offer to contribute to discussion, but contributes to a moderate degree when called on  
• Demonstrates very infrequent involvement in discussion |
| 1 | • Disruptive or negatively impacts the flow of class |

Required Readings

The text for the course is very thorough. There will be a great deal of information covered throughout the semester, however, lectures will not be presented directly from the text. The text is meant to be a reference for the material presented in class. It will also provide you with visuals to supplement the lectures. Students should focus their attention on the material in the text that coincides with the material presented in class lectures.

• Additional readings will be assigned throughout the semester. These readings will be made available through hard copies or on Blackboard ([http://blackboard.sunysb.edu](http://blackboard.sunysb.edu))

Assignments
All assignments are to be handed in at the beginning of class on the day it is due. No late assignments will be accepted beyond 1 week after the original due date. Late assignments will receive one letter grade lower if handed in late. If you cannot come to class, you should email any assigned work to me before the class begins.

*Lectures (10%)*
Students are required to read all assigned readings/chapters prior to the class in which they are discussed. The readings will not be explicitly summarized in class. Lectures are meant to expand upon and provide functional expressions of the readings. Students should be prepared to integrate material covered in the readings with material presented in class discussions. While PowerPoint slides will be available on Blackboard, students will be expected to take notes in class to supplement the material presented on the slides. Every attempt will be made to post slides prior the class meeting. However, please note that, on occasion, the final version of the slides may not be posted until after the class meeting.

*Anatomy Coloring Book (10%)*
Students will be supplied with a coloring book of the major anatomical structures of the speech and hearing mechanism. Students are expected to complete the coloring book by labeling and coloring each structure. Students should hand in the completed coloring book prior to or on the date specified on the weekly schedule.

*ANATESSE Quizzes (20%)*
The Anatesse software is provided with the course textbook. This is a very useful tool and students are expected to use the program regularly throughout the semester. Students should focus on the units that correspond with class lectures. There are 8 quizzes on the CD-Rom. Students can take the quizzes as many times as they wish; in essence, one can take the quizzes until he/she receives a grade of 100%. All students are expected to provide a printout or a flashdrive (please use your last name for your ID and password) with their final grades on the exams by the date specified on the weekly schedule.

*Exams (60%)*
There will be five exams throughout the semester corresponding to the major units covered. Students will be able to drop their lowest grade. Exams will be administered in class. Students will be expected to demonstrate understanding of the anatomy and physiology of the topic covered. Students may only make up an exam if they have an excused absence on the day it is originally given. An excused absence is one that is agreed upon by the instructor at least one week prior to the exam. If a student misses class for an emergency, a written letter of absence must be supplied (doctors note, etc.). Although specific dates for the exams are set at the start of the semester, the instructor reserves the right to change the date of the exam based on how fast/slow the course is going. Students will be given at least one week’s notice of the exam.

**GRADING**

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<td>97+</td>
<td>A</td>
<td>87-89</td>
<td>B+</td>
<td>77-79</td>
<td>C+</td>
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CLASS RESOURCES
Blackboard web page: http://blackboard.sunysb.edu

DISABILITY SUPPORT SERVICES (DSS) STATEMENT
If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

ACADEMIC INTEGRITY STATEMENT:
Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

CRITICAL INCIDENT MANAGEMENT:
Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.

WEEKLY SCHEDULE

Week 1 (1/28, 1/30)
Course requirements
Basic Elements of Anatomy
Chapter 1

Week 2 (2/4, 2/6)
Anatomy and Physiology of Respiration
Chapter 2

Week 3 (2/11, 2/13)
Respiration
Respiration Exam
Chapter 2

Week 4 (2/18, 2/20)
Anatomy and Physiology of Phonation
Chapter 3

Week 5 (2/25, 2/27)
Phonation
Chapter 3

**Week 6** (3/4, 3/6)
Phonation
Phonation Exam

*Chapter 3*

**Week 7** (3/11, 3/13)
Anatomy and Physiology of Articulation

*Chapter 4*

**Week 8** (3/25, 3/27)
Articulation

*Chapter 4*

**Week 9** (4/1, 4/3)
Articulation
Articulation Exam

*Chapter 4*

**Week 10** (4/8, 4/10)
Anatomy and Physiology of Hearing

*Chapter 5*

**Week 11** (4/15, 4/17)
Hearing
Hearing Exam

*Chapter 5*

**Week 12** (4/22, 4/24)
Neuroanatomy and neurophysiology

*Chapter 6*

**Week 13** (4/29, 5/1)
Neuroanatomy and neurophysiology

*Chapter 6*

**Week 14** (5/6, 5/8)
Neuro Exam
Review

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**Summary of Assignment Due Dates**
(dates are subject to change at the discretion of the instructor)

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>Respiration Exam</td>
<td>Wednesday, February 13, 2013</td>
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<tr>
<td>Phonation Exam</td>
<td>Wednesday, March 6, 2013</td>
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<tr>
<td>Articulation Exam</td>
<td>Wednesday, April 3, 2013</td>
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<tr>
<td>Hearing Exam</td>
<td>Wednesday, April 17, 2013</td>
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<tr>
<td>Neuroanatomy Exam</td>
<td>Monday, May 6, 2013</td>
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<tr>
<td>Anatomy Coloring Book</td>
<td>Monday, April 29, 2013</td>
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