

**Course:** SPPA 280 - Anatomy and Physiology of Speech and Hearing  
Spring, 2012 MWF - 8:30 BH 180, Lab - W 2:00-3:45 p.m. HH 111  
3 semester credits

**Instructors:** Heather Ferguson, M.S., CCC-SLP  
Associate Professor of Speech Language-Pathology  
Bell Hall 157B  
Phone: 471-6369 Office  
Email – hferguson@andrews.edu

Darah Regal, AuD., CCC-A  
Assistant Professor Of Audiology  
Bell Hall 157C, Office hours will be posted on my office door.  
Phone: 471-3469 Office  
Phone: (269) 684-2324 Home. Please call before 9:30 p.m. unless it is an emergency.  
E-mail - dregal@andrews.edu

**Required Textbooks:** Seikel, J.A. (2005). Anatomy & Physiology for Speech, Language, and Hearing 4<sup>th</sup> ed. Thompson Delmar Learning..

Zemlin, E. & Zemlin, W.r. (1997). Speech and Hearing Science: Anatomy and Physiology. Champaign, IL: Stipes Publishing

**Optional Text:** McMinn, R.M.H., Hutching, R.T., & Logan, B.M. (1981). Color Atlas of head and Neck Anatomy. Chicago: Year Book Medical Publishers, Inc.

**Course Description:** A survey of the anatomy and physiology for Articulation, Breathing, and Hearing. Areas of study will include skeletal structures, muscles, tendons, nerves and circulation necessary for speech and hearing.

**Course Objectives:** By the end of this course, you will be able to:

1. Identify anatomical structures necessary for breathing, phonation, articulation and hearing;.
2. Discuss the mechanics of respiration, phonation, articulation and hearing - including nerves and muscles involved;
3. Explain how the anatomical structures function together to produce speech and hearing;
4. Marvel at how fearfully and wonderfully made we truly are.

**Course Requirements:**

1. **Class Attendance:** Attendance will be taken during the first five minutes of class. Promptness is vitally important to the continuity of class discussion. If you are unable to attend class, please notify the

instructor prior to class to make arrangements to make up work and obtain handout material. Three absences will be allowed. Absences beyond that will jeopardize your grade 2% per day missed after the third day. Prolonged illness with physician explanation will be addressed on an individual basis.

2. **Quizzes:** There will be either a take home quiz or in class quiz each week 10-20 points
3. **Examinations:** There will be four examinations throughout the quarter worth 75 - 100 points each. All examinations will remain in the possession of the instructor. After they have been graded they will be distributed for your review. They must be returned to the instructor to be recorded.

**Quizzes missed due to an excused absence will be prorated. Tests missed due to an excused absence may be made up within three days after the absence.**

4. **Laboratory Assignments:** There will be scheduled labs every week. Prompt arrival, active participation during the entire lab period, and completion of lab worksheets are all requirements and will be worth 10 points per lab period.
5. **Anatomy Workbooks:** Students are required to complete the sections of the workbook corresponding to materials covered in class. Workbooks should be turned in for grading at the time of each **LAB** examination. Each assignment completed will be worth 10 points per completed unit.
6. **Project:** Within the first **two weeks** of class turn in a written proposal of the anatomical area you plan to do as a project. Your project will be graded on the following items:
  - A. **Visual** - You can display your project using drawings, 3-D models, slides, overheads, etc. This display should be relevant, instructive and capable of enhancing the students ability to understand you content area.
  - B. **Written** - The written portion should include 1) A clearly written description of the anatomy of the specific body system chosen, 2) A description of how the system contributes to the speech and/or hearing process and 3) A summarizing statement of how the information you learned can be applied and would be helpful to your career as a speech-language pathologist or audiologist.
  - C. **Oral** - You will present the information you learned to the class. Your oral presentation should include; 1) Use of visual aid materials, 2) A written handout to the class about you project. 3) demonstration of thought, organization and planning, 3) A summary of the practical application of the knowledge.

The Project will be worth a total of 100 points!

7. Additional assignments as deemed appropriate by the professor.
8. Late Assignments will be discounted as follows: within 24 hours of date due 5%, 48 hours 15%, 72 hours 25%, 96 hours 50%, no credit after 96 hours.

9. **Grading:**

Grades will be calculated on a percentage basis as follows:

94.0 - 100%	A	77.5 - 79.99%	C+
90.0 - 93.99%	A-	73.5 - 77.99%	C
87.5 - 89.99%	B+	70.0 - 73.49%	C-
83.5 - 87.49%	B	65.0 - 69.99%	D
80.0 - 83.49%	B-	Below 65%	F

10. Academic dishonesty including plagiarism, copying other students work, stealing quizzes and exams or accepting stolen quizzes or exams is a serious offense. Possible consequences are a warning, reduced or failing grade, suspension or dismissal from the class, expulsion from the university, and/or degree cancellation.
11. Andrews University is committed to the education of all students on campus. If you qualify for accommodations under the American Disabilities Act, please see the instructor as soon as possible for referral and assistance in arranging such accommodations. **Andrew University Bulletin**
12. CELL PHONE USAGE and EATING in class. In a effort to make the most valuable use of your time and mine, I am requesting that cell phones be turned OFF during class and that eating during class be discontinued. Cell phones ringing and/or vibrating are a distraction. If there is an emergency and you need to be reached by cell phone during class, you must discuss the emergency with me prior to class. Please plan to ear prior to class so that you can easily participate in class discussion and take notes.
13. E-Mail – you are responsible for checking your Andrews e-mail account for messages from class. Please check your e-mail on a regular basis for important messages.

## Proposed Class Schedule

		Seikel		
Jan	9	Anatomy Terminology	Chapter 1	
	11	Anatomy Terminology LAB 1 - Terminology	Chapter 1	
	13	12 cranial nerves	Chapter 11	
	16	<b>NO CLASS – Holiday</b>		
	18	Outer ear LAB 2 – Cranial nerves, ear anatomy	Chapter 9	
	20	Middle Ear	Chapter 9	
	23	Inner Ear <b>(9:00-9:40)</b>	Chapter 9	
	25	Inner Ear <b>(9:00-9:40)</b> LAB 3 – Ear Anatomy		
	27	Auditory nerve pathway <b>(9:00-9:40)</b>	Chapter 9	
	Feb	30	Auditory Physiology	Chapter 10
		1	Auditory Physiology LAB 4 – Ear anatomy, respiration	Chapter 10
		3	<b>EXAMINATION 1</b>	
		6	Respiration - framework	Chapter 2
8		Respiration LAB 5 - Respiration	Chapter 2	
10		Respiration	Chapter 2	
13		Respiration	Chapter 2	
15		Respiration and physiology LAB 6 - Respiration	Chapter 2,3	
17		Respiration Physiology	Chapter 3	
20		<b>NO CLASS</b>		
22		Phonation LAB 7 – LAB EXAM	Chapter 4	
24		Phonation	Chapter 4	
27		Phonation		
29	<b>EXAMINATION 2</b> LAB 8 - Phonation			
March	2	Phonation		

	5 Phonation physiology	Chapter 5
	7 Phonation physiology LAB 9 - Phonation	Chapter 5
	9 Articulation	Chapter 6
	12 Articulation LAB 10- Articulation	Chapter 6
	14 Articulation	Chapter 6
	<b>16 NO CLASS - SPRING BREAK</b>	
	<b>19 NO CLASS - SPRING BREAK</b>	
	<b>21 NO CLASS - SPRING BREAK</b>	
	<b>23 NO CLASS - SPRING BREAK</b>	
	26 Articulation	Chapter 7
	28 Articulation LAB 11 - Articulation	Chapter 7
	30 Mastication and Deglutition	Chapter 8
April	2 Mastication and Deglutition	Chapter 8
	4 Neuroanatomy LAB 12- Neuroanatomy	Chapter 11
	<b>6 EXAMINATION 3</b>	
	9 Neuroanatomy	Chapter 11
	11 Neuroanatomy LAB – 13 Neuroanatomy	Chapter 11
	13 Neuroanatomy	Chapter 11
	16 Neuroanatomy	Chapter 12
	18 Projects	
	20 Projects	
	13 Projects	
	25 Projects LAB FINAL EXAM	
	<b>27 NO CLASS - EXAM PREPARATION DAY</b>	

**Final Exam – Monday, April 30, 2012, 10:00 - 12:00**

