



Course COMD 5344
Anatomy and Physiology of Speech and Hearing
Instructor Kathy Powers
Term Fall 2016
Meetings Mon/Wed 5:30-6:45pm GR 4.428

Instructor's Contact Information

Cell Phone 214-605-7278
Email Address Kap130730@gmail.com
Office Hours By Appointment

Teaching Assistant

Kelly Fazel
Email Address: vx130030@utdallas.edu
Office Hours: By Appointment

Teaching Assistant

Anna Maria Reiter
Email Address: axr132431@utdallas.edu
Office Hours: Tuesday 2:30-3:30 or by appt

General Course Information

Pre-requisites BBSC majors only

Course Description

Study of anatomic and physiologic mechanisms underlying speech: respiration, phonation, and articulation. Overview of the peripheral auditory system. This course has been designed to ensure that students demonstrate required knowledge and skill as outlined in the Standards Implementation Guidelines for the Certificate of Clinical Competence in Speech-Language Pathology. The specific standards addressed in this class are: III-A, III-B, III-C

Learning Outcomes

Students will:

1. Identify structures and functions associated with speech, hearing, and swallowing
2. Demonstrate knowledge of neuroanatomy, the nervous system, and neurological function associated with speech, hearing, swallowing, language, and cognition
3. Be able to identify structures and functions associated with impairment in speech, hearing, swallowing, language, and cognition

Required Texts & Materials

Fuller D, Pimentel J, Peregoy B, *Applied Anatomy & Physiology for Speech-Language Pathology & Audiology*.

MacFarland, D. (2015). *Netter's Atlas of Anatomy for Speech,*

Swallowing, and Hearing. 2nd Edition.

*This course will require the use of a clicker. A clicker is an audience response device that resembles a small calculator. This allows you to provide real-time feedback to your instructor during class. Class summary results are displayed graphically, providing students and the instructor a gauge as to how well the class is grasping the material. You can purchase (and sell back) your clicker at the UTD Bookstore.

** Class lecture notes will be posted at <http://elearning.utdallas.edu>.

** These descriptions and timelines are subject to change at the discretion of the instructor.

Assignments & Academic Calendar

<u>Date</u>	<u>Topic</u>	<u>Chapter</u>	<u>Assignments/miscellaneous</u>
8/22/16	Course Overview & Introduction: Introduction to Online Resources and e-learning Assignment	1	
8/24/16	Medical Terms Associated with A&P.	2	
8/29/16	Structural Organization of Humans	3	
08/31/16	Introduction to the Nervous System – Organization and Microscopic Neuroanatomy	4	
9/5/16	Labor Day Holiday		
9/7/16	Physiology of the Nervous System; Assignment 1 due	4	Nerve Cell Disorders Case Study
9/12/16	Cranial Nerves	4	
9/14/16	EXAM 1		Chap 1,2,3 and selected readings of Ch 4
9/19/16	Respiration Anatomy	6	
9/21/16	Respiration Anatomy - Muscles	6	
9/26/16	Respiration Physiology	6	
9/28/16	Respiration Physiology	6	
10/3/16	Functional Implications/Vent and Trach	7	
10/5/16	Phonation Anatomy	8	
10/10/16	Phonation Anatomy	8	
10/12/16	Phonation Anatomy/ Physiology	8	
10/17/16	Phonation Physiology; Assignment 2 due	8	Dysphonia Case Study
10/19/16	Functional Implications	9	

10/24/16	EXAM 2		Chap 6,7,8,9
10/26/16	Articulation Anatomy	10	
10/31/16	Articulation Anatomy	10	
11/2/16	Articulation Physiology – Assignment 3 due	10	Apraxia/Dysarthria Case Study
11/7/16	Oral Mech Exam/Functional Implications	11	
11/9/16	Swallowing		
11/14/16	Swallowing		
11/16/16	EXAM 3		Chap 10, 11 and Swallowing
11/21/16	Fall Break		
11/23/16	Fall Break		
11/28/16	Structure of inner ear and neurological function of hearing – Assignment 4 due	12,13	Hearing Impairment Case Study
11/30/16	Neuro Anatomy	4,5	
12/5/16	Neuro Anatomy – Assignment 5 due	4,5	TBI case study
12/7/16	Neuro Disorders	5	
	FINAL EXAM		Exam 4,5,12,13 (selected portions)

Course Policies

Grading (credit) Criteria	Assignments: 5 e-learning Assignments, each worth 10 points = 50 points Graduate Project: 5-10 min ppt on approved SLP diagnosis – 50 points Exams: 4 Exams (m/c, t/, labeling), each worth 100 points = 400 points Classroom Participation: Graded based on percent participation with clicker responses with a maximum of 50 points possible: 95-100% participation = 50 65-70% participation = 20 90-95% participation = 45 60-65% participation = 15 85 – 90% participation = 40 55-60% participation = 10 80 – 85% participation = 35 50-55% participation = 5 75-80% participation = 30 less than 50% participation = 0 70-75% participation = 25			
	Final % Grade will be calculated from total points achieved out of 550 possible points 97-100 = A + 87-89 = B+ 77-79 = C+ 67-69 = D+ 93-96 = A 83-86 = B 73-76 = C 63-66 = D 90-93 = A- 80-82 = B- 70-72 = C- 60-62 = D-			

	Below 60 = F
Make-up Exams	Please contact the instructor if you will be absent the day of an exam. Make-up exams for known absences (Weddings/Vacations/Life events) must be scheduled with the instructor to occur prior to the date of the exam. Late exams will not be acceptable unless in the event of illness or emergency. In the event of illness or emergency, contact the instructor as soon as possible to schedule make-up exam.
Late Work	Only accepted under special circumstances (illness or emergency)
Graduate Project	5-10 min ppt on approved subject content presented orally (9% of your grade)
Special Assignments	5 e-learning assignments occur throughout the semester and account for 50 points (9% of your grade)
Class Attendance	Class attendance is strongly recommended. Material will be covered and explained in class that is not in the book. Material on tests will include information from both class instruction and the book. Classroom participation as measured with clicker responses accounts for 9% of your total grade
Classroom Citizenship	Be courteous to those around you. Do not Facebook or use social media while in class. You are expected to be attentive during class.
Comet Creed	<i>This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:</i> <i>“As a Comet, I pledge honesty, integrity, and service in all that I do.”</i>
UT Dallas Syllabus Policies and Procedures	<i>The information contained in the following link constitutes the University’s policies and procedures segment of the course syllabus.</i> <i>Please go to http://go.utdallas.edu/syllabus-policies for these policies.</i>

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.