

# Course Syllabus - Anatomy and Physiology of the Speech Mechanism

COMD 3100

FALL Semester, 2007

9:00 – 10:15 a.m. Tue, Thur.

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## COURSE OVERVIEW:

This course is intended to give the student a functional background in the anatomy and physiology of the human communication system, which will allow the student to understand the basic process and to be able to communicate efficiently with physicians, surgeons and other professional specialists. The material is limited to those structures and processes that directly relate to the communication process, i.e. head, neck, chest, nervous system, and skeleton. Anatomy and physiology is material that to some degree must be learned by rote memorization; hence, the student is encouraged to study with other class members in study groups. This practice has proven to be the best method for studying the course material. Visual representations of the structures are contained within the texts; however, the student should seek to compile a collection of visuals that can be used to supplement the textual material.

## COURSE OBJECTIVES:

Com D 3100 is designed to: (a) give the student an ability to identify the structural components of the various sub-processes of the communicative act; i.e. respiration, phonation, resonance, articulation, neuroprocesses; and (b) to give the student the ability to describe the anatomical and physiological correlates of the communication system.

## LEARNING OUTCOMES:

The student will be able to identify and/or describe the anatomical and physiology related to the following areas:

- A. Anatomical concepts, terminology and bodily organization
- B. The respiratory system
- C. The phonatory system
- D. The resonance system
- E. The articulation system
- F. The nervous system

## FORMATIVE ASSESSMENT PROCEDURES:

1. Attendance: Although a roll will not be kept, attendance in class is directly related to your success in class and to your final grade. Promptness is also required. If tardiness becomes an issue, random roll calls will be made during the semester at the first of the class period. If you are not in attendance at the time of roll call, 5 points will be deducted from your overall points at the end of the semester.

2. Examinations: 6 scheduled examinations will be given during the semester. Each examination will have approximately 30 questions and will be worth 100 points. Each examination will cover material presented since the last examination. The final examination will be held during the scheduled time in finals week. All examinations MUST be taken on the day and at the time listed in the syllabus. The only exceptions will be University related business or family catastrophe. The instructor must approve university business exceptions during the first week of class.

3. Lab Assignments and Review Sessions: Review sessions will be held regularly during the semester to assist the student in integrating the material presented in class. A senior teaching assistant will be directing the sessions. Review session attendance is optional BUT participation will GREATLY influence a student's success on examinations. Beginning with the second week of class, students will make clay models of the anatomical structure being discussed

that week, with labels identifying the various parts. Each student's model will be turned in to the teaching assistant. Models will be scored as follows:

Model parts complete and accurate: YES = 5 points, PARTIAL = 3 points, NO = 0 points

Model parts labeled correctly: YES = 3 points, PARTIAL = 2 points, NO = 0 points

Model turned in on time: YES = 2 points, LATE = 0 points

Total lab points possible per week: 10

Bonus Points: Best Model of the Week (only one from whole class): 10 points

Total lab points possible for semester: 140 + bonus points

Total points possible: 740

**GRADING PROCEDURES:** Accumulated points from examinations and labs will be added and grades given based upon the following format:

90% = A

80% = B

70% = C

60% = D

50% = F

“+” and “-“ grades will be given at the end of the semester as needed.

**TEXT:** (required): Zemlin, W. Speech and Hearing Science: Anatomy and Physiology, 4th Edition, Prentice Hall, Englewood Cliffs, New Jersey, 1998. (Available at bookstore)

**MODELING CLAY:** (required): At least 5 colors.

**OUTLINE OF TOPICS:** See attached schedule

**COURSE SUPPLEMENTAL MATERIALS:** Some chapter notes and handouts will be placed on USU's e-reserve library system and can be accessed by students in the following manner:

- Go to the USU homepage ([www.usu.edu](http://www.usu.edu)) and click on the INDEX tab. Then click on “E” and scroll down to and click on ELECTRONIC RESERVE SERVICES.
- Then click on [Electronic Reserves Course Materials](#).
- Under "Select an Instructor" use the arrow to the right of the little box to see the different names of the instructors on the USU system. Scroll down until you find "CHILD, DEE" and click on that name. Then click the "GO" button.
- You will see one course listed under Dee Child's name. Click on "Anatomy".
- Enter CHI3100 as the password.
- The different articles that will be listed are either in PowerPoint or Acrobat Reader format. You should be able to click on any of them and they will open up on your computer.
- If you'd like, you can print them. If you print them from Powerpoint, be sure to print in OUTLINE form. That way you'll just print the text and not the graphics which will save you lots of paper.

## **Student Policies:**

**Students are responsibility for understanding and abiding by the Utah State University Student Code. The code is located at the following website: <http://www.usu.edu/studentservices/studentcode/>**

### **Grievance Process (Student Code)**

Students who feel they have been unfairly treated [in matters other than (i) discipline or (ii) admission, residency, employment, traffic, and parking - which are addressed by procedures separate and independent from the Student Code] may file a grievance through the channels and procedures described in the Student Code:

[http://studentlife.tsc.usu.edu/stuserv/pdf/student\\_code.pdf](http://studentlife.tsc.usu.edu/stuserv/pdf/student_code.pdf) (Article VII. Grievances, pages 25-30). [Top](#)

### **Plagiarism**

Plagiarism includes knowingly "representing, by paraphrase or direct quotation, the published or unpublished work of another person as one's own in any academic exercise or activity without full and clear acknowledgment. It also includes the unacknowledged used of materials prepared by another person or agency engaged in the selling of term papers or other academic materials." The penalties for plagiarism are severe. They include warning or reprimand, grade adjustment, probation, suspension, expulsion, withholding of transcripts, denial or revocation of degrees, and referral to psychological counseling. [Top](#)

### **Sexual Harassment**

Sexual harassment is defined by the Affirmative Action/Equal Employment Opportunity Commission as any "unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature." If you feel you are a victim of sexual harassment, you may talk to or file a complaint with the Affirmative Action/Equal Employment Opportunity Office located in Old Main, Room 161, or call the AA/EEO Office at 797-1266. [Top](#)

### **Students with Disabilities**

The Americans with Disabilities Act states: "Reasonable accommodation will be provided for all persons with disabilities in order to ensure equal participation within the program. If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center (797-2444), preferably during the first week of the course. Any request for special consideration relating to attendance, pedagogy, taking of examinations, etc., must be discussed with and approved by the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative format, large print, audio, diskette, or Braille."

Tentative Schedule:

Week	Date	Instructor	Topic
Week 1	Aug 28	Child/Grimmett	Introduction, Course outline, Admission Process
	Aug 30	Child	Ch 1 Tissues
Week 2	Sept 4	Child	Ch 1 Tissues
	Sept 6	Child	Ch 1 Tissues
Week 3	Sept 11	Test 1	Ch 1 Tissues
	Sept 13	Child	Ch 3 Phonation
Week 4	Sept 18	Child	Ch 3 Phonation
	Sept 20	Child	Ch 3 Phonation
Week 5	Sept 25	Child	Ch 3 Phonation
	Sept 27	Test 3	Test on Ch 3
Week 6	Oct 2	Child	Ch 2 Breathing
	Oct 4	Child	Ch 2 Breathing
Week 7	Oct 9	Child	Ch 2 Breathing
	Oct 11	Child	Ch 2 Breathing
Week 8	Oct 16	Test 4	Test on Ch 2
	Oct 18	Grimmett	Ch 4 Articulation
Week 9	Oct 23	Grimmett	Ch 4 Articulation
	Oct 25	Grimmett	Ch 4 Articulation
Week 10	Oct 30	Grimmett	Ch 4 Articulation
	Nov 1	Test 5	Test on Ch 4
Week 11	Nov 6	Grimmett	Ch 5 Nervous System
	Nov 8	Grimmett	Ch 5 Nervous System
Week 12	Nov 13	Grimmett	Ch 5 Nervous System
	Nov 15	Grimmett	Ch 5 Nervous System
Week 13	Nov 20	Test 2	Test on Chapter 5
	Nov 22	No Class	
Week 14	Nov 27	Grimmett	Ch 7 Embryology
	Nov 29	Grimmett	Ch 7 Embryology
Week 15	Dec 4	Grimmett	Ch 7 Embryology
	Dec 6	Grimmett	Ch 7 Embryology
Finals:	13-Dec	Test 6	Exam for morning class: 9:30 = 11:20 a.m.

## ASHA Knowledge and Skills Acquisition (KASA) Requirements for Certification in SLP

COMD 3100 will fulfill the following ASHA requirements from the Knowledge And Skills Acquisition (KASA) form. This form is intended for use by the certification applicant during the graduate program to track the processes by which the knowledge and skills specified in the 2005 Standards for the CCC are being acquired. You are responsible for tracking this information.

<b>Standard</b>	<b>KASA Requirements: Student will demonstrate:</b>	<b>Class Assignment</b>	<b>Portfolio Evidence</b>	<b>Evaluation Criteria</b>
IIC	knowledge of basic human communication and swallowing (biological, neurological, acoustic, psychological, development, and linguistic and cultural bases)	Completion of weekly class lab assignments, course readings.	Completed lab assignments and examinations	Successful performance on lab assignments and examinations