COMD 400
Anatomy and Physiology of Speech and Language
Fall, 2007
Daniel C. Tullos, Ph.D., CCC-SLP

Office: C128 Reynolds Center 279-4633

Required Texts:


Objectives: Normal anatomy and physiology of speech and language will be presented. Specific breakdowns in anatomical and physiological functioning resulting in communication disorders will be discussed.

Students with Disabilities: "It is the policy for Harding University to accommodate students with disabilities, pursuant to federal and state law. Therefore, any student with a documented disability condition (e.g. physical, learning, psychological, vision, hearing, etc.) who needs to arrange reasonable accommodations, must contact the instructor and TRIO Student Support Services at the beginning of each semester. (If the diagnosis of the disability occurs during the academic year, the student must self-identify with the Disabilities Director as soon as possible in order to get academic accommodations in place for the remainder of the semester.) The TRIO Student Support Services office is located in Room 100 of the Lee Academic Center, telephone, (501) 279-4028." It is the student's responsibility to make sure that appropriate accommodations are made.

Attendance: You are expected to attend every class. Attendance will be taken. Your grade will be dropped 10 points for every absence after three. You are to contact the instructor prior to class if you are sick and will not be able to attend or take an exam. If you miss an exam without an excused absence and prior notification to the instructor your test grade will be dropped 10 points.

All assignments will be submitted at the assigned time unless arrangements have been made prior to the deadline. All assignments submitted late will receive a penalty of a loss of 10% points a day (including weekends) for each day late. All assignments MUST be submitted to pass this class.

Course Requirements:

1. There will be five major examinations and a final. The final will be comprehensive.

2. Each student will make a model of a larynx. Clay is available at WalMart. The model is worth 5%. Be sure and label the following (at least): Hyoid Bone, Epiglottis, Thyroid Cartilage, Cricoid Cartilage, Ventricular Folds, Vocal Folds, Arytenoid Cartilages, Oblique and Transverse Arytenoid Muscles, Posterior Cricoarytenoid Muscles, Trachea, Tracheal Rings, It should be able to stand on its own. Grading forms are online.
3. Each student will make a model of the left cerebral hemisphere (lateral view as illustrated in Figure 12-13 in Seikel.) Label the following (at least): Frontal, Parietal, Occipital, and Temporal Lobes, Central Sulcus, Lateral Fissure, Precentral Gyrus, Postcentral Gyrus, Superior Temporal Gyrus, Middle Temporal Gyrus, Inferior Temporal Gyrus, Heschl’s Gyrus, Wernicke’s Area, and Broca’s Area. This model will also be worth 5%. Grading forms are online.

4. Each student is to create an anatomy notebook by locating a picture of each indicated muscle (online list) and recording the origin, insertion, action and innervation for each (use the sources in your text for these). Pictures may be downloaded from the Internet or photocopied from other sources, but the source must be indicated. Use the attached example as a guide. Related material should be photocopied/printed and included after each muscle. Also locate a picture of each Cranial Nerve and include whether the nerve is sensory, motor, or mixed, the function, and the general speech or hearing involvement resulting from a lesion, and the course (or pathway). Use the included example as a guide. Each section must be completed and brought to class on the day scheduled for discussion. The completed notebook (with index) will be turned in at the end of the class. It must be completed in order to pass this class. You are to work independently on this project. Quizzes may be given over this material on the indicated day.

5. Each student will complete the Anatesse 2.0 Lessons and Quizzes contained on the CD included in the text. The grade sheet must be submitted on the appropriate date indicated on the schedule. Failure to submit grade sheet will result in a loss of 10% points per day on each quiz. Save your work on a Flash Drive.

6. Assignments may be given for out-of-class activities. These should be completed in a timely and neat manner.

7. You are encouraged to make an appointment to discuss questions you have regarding any of the material in this class.

Please keep up!

Grade: Values for the assignments will be as follows:

- First Exam 12%
- Second Exam 12%
- Third Exam 12%
- Fourth Exam 12%
- Fifth Exam 12%
- Final Exam 15%
- Larynx Model 5%
- Brain Model 5%
- Anatomy Notebook 10%
- Muscle & Reading quizzes 5%