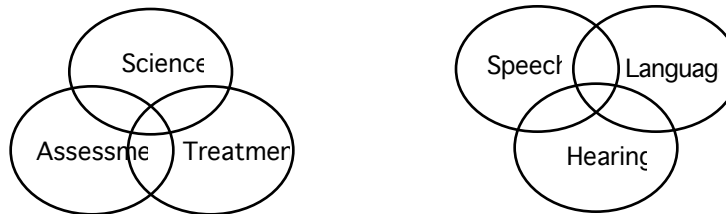


Course Outline: Speech Anatomy (EPsy 320)
Fall, 1991

Prof. Ron Channell, PhD Office: 128 Taylor Bldg (TLRB) Phone: 378-6457
Office Hours: 9:15 - 11 T & Th, or by appointment (call my extension and leave
(your) name, number, and message).

Scope of the Course

This course is required for undergraduate majors in Audiology and Speech-Language Pathology. EPsy 320 builds upon its prerequisite, Zoology 260, to provide more specialized knowledge of human anatomy and to introduce physiology relevant to speech production. In this course, we study the basic biological and physical science foundations which enable human speech. We emphasize the anatomy and physiology of speech mechanisms underlying the processes of (a) respiration and breath support for speech, (b) phonation, (c) resonance, and (d) speech articulation.



Relationship to Area Model: Science of speech.

Texts

1. Required: Zemlin, W. R. (1988). Speech and hearing science: Anatomy and physiology (3rd Ed.). Englewood Cliffs, NJ: Prentice-Hall. (Though large, challenging, and rather expensive, the Zemlin text is used in two other courses and is a useful reference throughout your academic & professional careers.)
2. Recommended: Palmer, J. M. (1984) Anatomy for Speech & Hearing (3rd Ed.). New York: Harper & Row. (Smaller, easier-to-read than Zemlin, with clear drawings to label.)

Reference Books

Your Zoology 260 text will be a useful reference. The H.B.Lee library contains many well-illustrated atlases and reference works on human anatomy and physiology which include the speech mechanism structures to be covered in this course. *You must consult these as a need arises.* Sometimes you might need more simplified illustrations or descriptions than those given in the Zemlin text and in lecture, or you might wish for alternate styles of presentation such as different views or angles, color photographs, or transparencies. These are available on the shelves in the library; second floor, north wing, on the Reference shelves (by the reference desk), the regular shelves (sections Q and R), and the Oversized shelves (just west of the north staircase).

Other Resources

Study resources (skulls, models, books) are available in the the Materials room in the TLRB. A complete (human) skeleton is available for study in rm. 110

TLRB; be aware that research and clinical uses of this room have priority.

Course Requirements

1. Complete assigned readings. Keeping reading notes is encouraged in that a great deal of terminology must be mastered in this course.

2. No unexcused absences. Borrowing notes is a nuisance to other students and is a poor substitute for your own encoding of class material.

3. Take all examinations on time.

4. If you find you are having difficulty in the course, meet immediately with the instructor to go over your class and reading notes and to obtain direction for supplemental readings and reference works.

5. Adherence to the Code of Honor: You must not discuss the contents of an exam with other people until after it has been handed back and is thus "public" information. This would include giving hints as to what to study (and what not to bother studying) as well as reciting or paraphrasing specific questions from the exam.

Exams

We will have four midterms and a final exam. Each exam will be worth a possible 100 points. Exams will cover both class lectures and assigned readings. Exams will consist of a variety of question types: short answer, fill-in, labeling, multiple-choice, and/or true-false. Exams will be cumulative: alternate questions covering any areas of popular weakness will appear on subsequent exams. Exams will be given in the testing center and may be taken late only when written proof of serious illness, death, or extenuating circumstance is provided to me. Exam scores will be recorded as a percentage of the high score in the class. Thus if the high raw score on an exam were 95, the person scoring 95 would get 100% recorded; a person with a (raw) score of 92 would get 92/95 or 97% recorded.

Semester Grading

Semester grades will be based no less than 90% on the exams and no more than 10% on class participation (which includes turning in written or laboratory assignments, pop-quizzes on assigned reading, and attendance). No exam scores will be dropped. The grading scale used at the end of the semester is 95-100% of the possible points for an A, 90-94% A-, 87-89% B+, 83-86% B, 80-82% B-, 77-79% C+, 73-76% C, 70-72% C-, 67-69% D+, 63-66% D, 60-62% D-, and below 60%, an E. Extra credit is not possible. Please do well on exams; they are then much easier to grade.

Some Dates to Remember

September

M	16	Last day to drop classes without receiving a "W"
Th	19	Exam I in testing center (Neuromuscular foundations)
F	20	Exam I in testing center

October

M	7	Last day to drop classes for academic reasons
Th	10	Exam II in testing center (Respiration: Anatomy & Speech Phys.)
F	11	Exam II in testing center
Th	31	Exam III in testing center (Phonation: Anatomy)

November

F	1	Exam III in testing center
Th	14	Exam IV in testing center (Phonation: Physiology)
F	15	Exam IV in testing center
Th	21	ASHA convention (no class held)
Th-F	28-29	Thanksgiving break

December

W	11	Last day of Fall '90 classes
Th	19	Exam V in testing center (Articulation: Anatomy)

Hints on studying speech science.

- Through personal and painful vicarious experience; ignore at your peril.
1. After class each day learn to give back the lecture for that day (minus any jokes or tangents). This will probably be best done by outlining the lecture (to see its organization) and memorizing the anatomical facts.
 2. To memorize anatomical facts: Possible and useful methods.
 - a. make flash cards, name of structure on one side, features or parts of that structure on the other side.
 - b. look at several pictures. Your Zoology 260 text will usually be the best source. Many anatomy books in library, some large and color photos... or you can buy a Gray's anatomy, etc. or the Coloring Book of Human Anatomy, etc.
 - c. draw outlines & diagrams from memory and check them with the book(s). After checking them, do it again until correct.
 - d. models in the materials room are available for brief check-out (across from 154 TLRB, north of 1st floor receptionist)
 - e. skeleton in rm. 110 TLRB (research/ clinical activities have priority on room use)
 - f. come to class with reading assignment completed (i.e., largely learned) to ask more effective questions
 - g. take reading notes from the text, as though it were a lecture; be so complete that you can then prepare for exams from your notes, rather than the text itself.
 - h. small study groups (2-3 people) may be useful if each participant carries her/his own weight, by studying in advance and just using group meetings to resolve unclarities or to practice-test each others' knowledge.