

INTRODUCTION TO SPEECH SCIENCE

Speech and Hearing 420

Spring 2005

Instructor: Marios Fourakis

Main Campus Office: Journalism 329 , Office hours 11:15 AM - 12:15 PM Tues. - Thurs.

West Campus office: Pressey 101A, Office hours 12:00-1:00 PM Wed.

West Campus phone: 292-3076.

If you cannot make any of these hours, talk to me before or after class to set up a special appointment.

NOTICE: Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible about their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292 3307, TDD 292 0901; on the web at <http://www.ods.ohio-state.edu>.

Required Text:

Ferrand, Carole T. 2001. Speech Science, Boston: Allyn and Bacon (Henceforth CTF).

Course description and objectives:

This course is designed to acquaint students with the anatomy and physiology of the speech producing mechanism and with the physical characteristics of the product of this mechanism, i.e. of the sounds that speakers produce when they wish to communicate their ideas orally. At the end of the course students are expected to have relatively detailed knowledge of the structures of the human body involved in respiration, phonation, and articulation as these three comprise the human speech production mechanism. In addition, they will know in detail the acoustic characteristics of the consonants and vowels of American English.

Grading: There will be six quizzes during the quarter, on select days as indicated in the course outline below starting with the second week of classes. All quizzes and exams will be comprehensive (more on this during first lecture). The lowest quiz score will be dropped. Grades will be based on performance in the five remaining quizzes, the midterm, and the final examination. The final will be given on the date and time listed in the schedule of classes (**Thursday June 9, 11:30 am - 12:18 pm**). The total number of points will be 400 as shown below:

Final:	155 pts
Miterm	120 pts
Quizzes (5x25 pts each)	125 pts

Final grade points	400/4

Letter grades will then be assigned on the basis of the final grade points as follows: 93-100 A, 90-92 A-, 87-89 B+, 83-86 B, 80-82 B-, 77-79 C+, 73-76 C, 70-72 C-, 66-69 D+, 60-65 D, and 0-59 E. Final grade points containing decimals will be rounded to the closest integer. Thus, for example, 89.75 will become 90, while 89.25 will become 89.

Academic misconduct. Academic misconduct is a serious matter and will not be tolerated. Ohio State's guidelines require that "each instructor shall report to the Committee on Academic Misconduct all instances of what he/she believes to be academic misconduct." Details about what constitutes academic misconduct can be found in the Student Handbook.

Course outline by week, topic, and assigned readings:

- Week 1.** Organization - Syllabus – Introduction to.
Mar 29 -31 Speech science – Begin respiration
- Week 2.** Respiratory Anatomy and Physiology – Clinical Applications.
April 5 – 7 **CTF Chapters 4 - 5.**
- Week 3.** Respiration finished.
April 12 - 14 Begin Phonatory System.
CTF Chapter 6. Quiz 1 on Tuesday. ***
- Week 4.** Continue Phonatory System.
April 19 - 21 Clinical Applications.
CTF Chapter 6,7, AND 2!!. Quiz 2 on Thursday. ***
- Week 5.** Begin Articulatory System -
April 26 - 28 Quiz 3 on Thursday ***
- Week 6.** Finish articulation
May 3 - 5 **CTF Chapter 8.**
MIDTERM on Thursday. ***
- Week 7.** Begin acoustic characteristics – **Review parts of CTF Chap. 1.**
May 10 - 12
- Week 8.** Finish Acoustics.
May 17 - 19 Begin Clinical Applications.
CTF Chapter 9. Quiz 4 on Thursday. ***
- Week 9.** Speech perception and clinical applications.
May 24 - 26 Parts of **CTF Chapter 10, 11.** Quiz 5 on Thursday. ***
- Week 10.** Theories of production and perception.
May 31 – June 1 **CTF Chapter 12.** Quiz 6 on Thursday. ***

Final Exam: Thursday June 9, 11:30 am - 12:18 pm. The final will be comprehensive.

General remarks: Feel absolutely free to ask questions during class. I do not, repeat, **NOT**, mind interruptions. Also feel free to talk to me at any time after or before class. If my office hours are not convenient for you, talk to me before or after class and make an appointment. Have a good quarter!