

CSD 3060
Anatomy and Physiology of the Speech Mechanism
3 Semester Hours
Fall 2011
TR 3:00 – 4:45 pm

College of Education
Valdosta State University
Department of Communication Sciences and Disorders
Conceptual Framework: Guiding Principles
(adapted from the Georgia Systemic Teacher Education Program Accomplished Teacher Framework)

Dispositions Principle: Productive dispositions positively affect learners, professional growth, and the learning environment.

Equity Principle: All learners deserve high expectations and support.

Process Principle: Learning is a life-long process of development and growth.

Ownership Principle: Professionals are committed to, and assume responsibility for, the future of their disciplines.

Support Principle: Successful engagement in the process of learning requires collaboration among multiple partners.

Impact Principle: Effective practice yields evidence of learning.

Technology Principle: Technology facilitates teaching, learning, community building, and resource acquisition.

Standards Principle: Evidence-based standards systematically guide professional preparation and development.

INSTRUCTOR

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REQUIRED TEXTBOOKS

Seikel, A., King, D., & Drumright, D. (2009). *Anatomy & Physiology for Speech, Language, and Hearing (4th ed.)*. Singular Publishing: San Diego.

COURSE DESCRIPTION

The study of anatomy and physiology of the head, neck, and trunk relevant to speech production.

COLLEGE OF EDUCATION CONCEPTUAL FRAMEWORK STANDARDS (CFS)

STANDARD III-B: The student must demonstrate knowledge of basic human communication and swallowing processes, including their biological, neurological, acoustic, psychological, developmental and linguistic cultural bases.

COURSE OBJECTIVES (CO):

- CO 1. The student will know and understand anatomical nomenclature (ASHA Std. III-B).
- CO 2. The student will be able to describe the elementary tissues in the body (ASHA Std. III-B).
- CO 3. The student will know the structures and muscles associated with respiration, phonation, articulation, and swallowing, and describe their function (ASHA Std. III-B).
- CO 4. The student will be able to describe the anatomical changes in the speech mechanism which occur from infancy through adulthood (ASHA Std. III-B).
- CO 5. The student will demonstrate knowledge of the laws of mechanics and aerodynamics that relate to biological activity and communication production (ASHA Std. III-B).
- CO 6. The student will know the major components and function of the central and peripheral nervous system (ASHA Std. III-B).

COURSE ACTIVITIES / ASSIGNMENTS / REQUIREMENTS

Room 256 is designed to support classroom activity with cd programs and materials for student use. Labs are not formally scheduled.

- 1. Respiration Activity: Students will complete a laboratory activity to obtain respiratory measurements (CO 3, 5).
- 2. Laryngeal Anatomy Activity: Students will build a clay model of the laryngeal cartilages (CO 1, 2, 3).
- 3. Phonation Activity: Students will complete a laboratory exercise to learn about laryngeal valving of airflow (CO 3, 5).
- 4. Speech Production Activity: Students will complete a report detailing the involvement of the respiratory, phonatory, and articulatory systems in producing a monosyllabic word (CO 1, 2, 3, 5).
- 5. Identification Assignment: Students will accurately identify structures of the head and neck area on diagrams and/or anatomical models (CO 1, 2, 3, 4, 6).

COURSE EVALUATION

There will be five objective examinations: four hourly examinations and one final. The first two hourly examinations are worth 100 points; the last two are worth 50 points. The final examination is comprehensive and worth 100 points. Students are expected to take the exams on the scheduled date unless other arrangements are made in advance. Homework/lab assignments regarding specific anatomic structures and/or physiologic processes will be assigned and are worth 20 points each; assigned anatomical drawings are worth 50 points each. Students will also complete a notebook concerning the structure and function of individual muscles, which is worth 415 points. Unannounced quizzes may also be used during the semester. Late exams and assignments will lose **5 points** for each day past the original due date. (CO 1-6).

Exam 1 (Respiration)	100 points	Muscle Notebook	415 points
Exam 2 (Phonation)	100 points	Lab Assignments	80 points
Exam 3 (Articulation I)	50 points	Laryngeal Drawing	50 points
Exam 4 (Articulation II)	50 points	Skull Drawing	50 points
FINAL	100 points		

TOTAL = 995 points

Grading Scale:

Positively Impacting Learning Through Evidence-Based Practices

A	94-100%	935-995 points
B	86-93%	855-934 points
C	77-85%	766-854 points
D	69-76%	686-765 points
F	below 69%	less than 686 points

ATTENDANCE POLICY

Students are expected to attend class regularly (see undergraduate handbook). No more than 4 absences. *Greater than 4 unexcused absences will result in a loss of 10 points for every subsequent unexcused absence.*

POLICY STATEMENT ON PLAGIARISM AND CHEATING

Below is information directly quoted from the Academic Honesty Policies and Procedures:

Academic integrity is the responsibility of all VSU faculty and students. Faculty members should promote academic integrity by including clear instruction on the components of academic integrity and clearly defining the penalties for cheating and plagiarism in their course syllabi. Students are responsible for knowing and abiding by the Academic Integrity Policy as set forth in the Student Code of Conduct and the faculty members' syllabi. All students are expected to do their own work and to uphold a high standard of academic ethics.

The full text of Academic Honesty Policies and Procedures is available in the on the Academic Affairs website (<http://www.valdosta.edu/academic/AcademicHonestyatVSU.shtml>).

The consequences for acts of academic dishonesty in the Dewar College of Education are:

FIRST OFFENSE:

1. The faculty member will administer an academic response (e.g. resubmit / retake assignment, failure of the assignment, failure of the course).
2. The faculty member will complete a Level Two Dewar College of Education Concern form (<http://www.valdosta.edu/coe/studentsinfo.shtml>).
3. The faculty member will complete a Valdosta State University Report of Academic Dishonesty (<http://www.valdosta.edu/academic/AcademicHonestyatVSU.shtml>).

SECOND OFFENSE:

1. The faculty member will administer an academic response (e.g. resubmit / retake assignment, failure of the assignment, failure of the course).
2. The faculty member will complete a Level Two Dewar College of Education Concern form (<http://www.valdosta.edu/coe/studentsinfo.shtml>). According to the Dewar College of Education Concern Form Policy, "a second level two concern form will result in the student being dismissed from his/her program of study. This dismissal will result in an automatic review by the COE Undergraduate Policies Committee."
3. The faculty member will complete a Valdosta State University Report of Academic Dishonesty (<http://www.valdosta.edu/academic/AcademicHonestyatVSU.shtml>). According to the Academic Honesty Policies and Procedures document, "after a second (or subsequent) Report of Academic Dishonesty has been submitted to the Student Conduct Office in the Dean of Students Office, official charges will be drawn up and the disciplinary matter will be referred to the Valdosta State University Judicial Committee."

CELL PHONES, PAGERS, AND LAPTOPS

Cell phones and pagers are to be turned off /silenced during all scheduled classes. If your phone goes off during class, you will be asked to leave and not return until the next class session. Text messages may not be sent during class.

At any time during the semester, inappropriate usage of laptop/computers (i.e. checking email, accessing social networking sites, surfing the internet, completing outside course work, etc.) can result in banning laptop/computer usage for the remainder of the semester. This decision will be made by the instructor.

Please be courteous of others and observe professional classroom decorum.

MAKE-UP WORK

Make-up work or alternative assignments will be **determined by the professor and at the sole discretion of the professor. These assignments may or may not exactly duplicate the original** and will not entitle other students to the same alternatives since they may not have experienced the same situations.

SPECIAL NEEDS STATEMENT

Valdosta State University is an equal opportunity educational institution. It is not the intent of the institution to discriminate against any applicant for admission or any student or employee of the institution based on the sex, race, religion, color, national origin or handicap of the individual. It is the intent of the institution to comply with the Title VI of the Civil Rights Act of 1964 and subsequent executive orders as well as Title XI in Section 504 of the Rehabilitation Act of 1973.

Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in Room 1115 Nevins Hall. The phone numbers are (229) 245-2498 (V/VP) and (229) 219-1348 (TTY).

POLICY STATEMENT ON STUDENT OPINION OF INSTRUCTION SURVEY (SOI)

At the end of the term, all students will be expected to complete an online Student Opinion of Instruction survey (SOI) that will be available on BANNER. Students will receive an email notification through their VSU email address when the SOI is available (generally at least one week before the end of the term). SOI responses are anonymous to instructors/administrators. Instructors will be able to view only a summary of all responses two weeks after they have submitted final grades. While instructors will not be able to view individual responses or access any of the responses until after final grade submission, they will be able to see which students have or have not completed their SOIs, and student compliance may be considered in the determination of the final course grade. These compliance and non-compliance reports will not be available once instructors are able to access the results. Complete information about the SOIs, including how to access the survey and a timetable for this term is available at <http://www.valdosta.edu/academic/OnlineSOIPilotProject.shtml>.

COURSE SCHEDULE**

8/16	Introduction, syllabus	
8/16-8/18	Overview and orientation – Basic elements of anatomy	Chapter 2
8/18-9/02	Respiration	Chapter 3-4
9/06	EXAM I	
9/08-10/04	Phonation	Chapter 5-6
10/06	EXAM II	
10/11-10/20	Articulation – Facial and Skull Bones	Chapter 7-8
10/25	FALL BREAK – NO CLASS	
10/27	EXAM III	
11/01-11/15	Articulation - Muscles	
11/17	ASHA – NO CLASS	
11/22	EXAM IV	
11/24	THANKSGIVING HOLIDAY – NO CLASS	
11/29-12/01	IN-CLASS PROJECT/FINAL EXAM	

**Course schedule may be subject to change.