

SAN JOSÉ STATE UNIVERSITY
DEPARTMENT OF COMMUNICATIVE DISORDERS & SCIENCES
EDSP 113 Speech Science
Fall Semester 2013

I. COURSE INFORMATION

Instructor: Anita Schaack MS CCC
Office Location: SH 113
Telephone: 924-3665
Email: anita.schaack@sjsu.edu (Preferred Contact)
Office Hours: By Appointment
Class Days/Time: Wed 9:00 -11:45
Classroom: SH 120

A. Course Description: The purpose of this course is to provide basic knowledge of the underlying mechanisms of speech across cultures, which is a prerequisite for providing effective speech-language-hearing services and is consistent with current practices within the profession.

B. Student Learning Objectives:

The student shall demonstrate understanding of the anatomy, physiology, and acoustics of speech including the processes of respiration, phonation, articulation, and resonance.

Course Objective/ Learning Outcome	Course Requirement			
	Exam 1	Exam 2	Exam 3	Assignments
III A	X	X	X	X
III B	X	X	X	X
III C	X	X	X	X

C. Readings

Required text:

- Seikel, J.A., King, D.W., & Drumright, D.G. (2010). *Anatomy & Physiology for Speech, Language, and Hearing* (4th edition)
 - Available in electronic version at www.coursesmart.com

Recommended:

- www.visiblebody.com
- LaPointe L.L. (2012). Atlas of Neuroanatomy for Communication Science and Disorders. New York: Thieme Publishers.

Other books of interest:

- Netter, F.H. (2006) Atlas of Human Anatomy (in our diagnostic clinic)
- Perkins, W.H. and Kent R.D (1986). Functional Anatomy of Speech, Language, and Hearing: A Primer.

Lecture Outlines:

The purpose of these outlines is to provide you some help in following the lecture and improving your real-time comprehension of the material. Lecture outlines will be on the Canvas. It is **HIGHLY RECOMMENDED** that you take advantage of this convenience.

D. Course Requirements

Course Requirements	Description	Points toward final grade	Date Due
3 exams	Exams 1, 2, 3	25% each	Varied
Assignments	As detailed in class and/or on Canvas	25%	

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of forty-five hours over the length of the course (normally 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities including but not limited to internships, labs, clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

E. Grading

Grades will be determined using the point system detailed above.

Your letter grade is based on the following scale.

A+	100% to 98%	B+	89% to 87%	C+	79% to 77%	D	69% to 60%
A	97% to 94%	B	86% to 84%	C	76% to 74%	F	59% & below
A-	93% to 90%	B-	83% to 80%	C-	73% to 70%		

All work must be submitted on time. Late assignments will be marked down and will NOT be accepted after 1 week post due date.

Grievance Procedure: Students dissatisfied with course policies or grading practices should refer to grievance policy procedures on file in the Special Education and Rehabilitative Services (SERS) office in Sweeney Hall 204.

F. Remediation

For students entering the professions of speech-language pathology and audiology, the ultimate goal is not merely to earn a passing grade in a course or on an examination or assignment. Rather, it is to demonstrate the acquisition of knowledge and skills relative to certification standards in the profession(s). As such, students are required to demonstrate adequate proficiency in essential knowledge and skill areas, as determined by the academic instructor. If student performance for one or more specific knowledge/skill area is below expectations, instructors may require remediation and implement strategies that may include, but are not limited to, the following:

- Rewriting/resubmitting incorrect/incomplete test answer(s)
- Providing oral explanations of content material
- Redoing all or part of academic projects
- Completing directed readings
- Viewing supplemental videos
- Other targeted activities

These additional remediation activities will not alter the grade earned on a particular examination or assignment; however, they will ensure that each student has demonstrated acquisition of each of the knowledge and/or skill areas targeted in the course.

G. Illness and Absence Policy for Exams:

At the discretion of the instructor, make-up exams will be given in cases of documented illnesses and/or emergencies. For illnesses, documentation must be in the form of a written note from your personal physician. For personal or family-related emergencies, an appropriate verification of the absence will be required. **Documentation must be procured within one week.**

In case you are ill or have an emergency, please let me know your status within 24 hours after the missed exam/assignment date by email, phone, or in person. **Any notification after the 24-hour period will not be accepted, and you will not be able to make up the missed deadline.**

Observed religious holidays: you must inform me of your absence during the first week of class to make any necessary arrangement regarding assigned deadlines.

Class Etiquette: In consideration of others in the class please arrive to class on time and make sure your **cell phones are turned off or are on silent mode**. If you need to take a call please excuse yourself from the room.

H. Adding/Dropping

- Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the [current academic calendar](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/) web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/.
- The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.
- Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

II. UNIVERSITY POLICIES

Academic Integrity Statement

- Let me start by saying that the following information is **not** meant to scare you but rather to inform you, so you and I can avoid misunderstandings that pertain to your work.

- Part of your training in CD&S involves understanding ethics and ethical behavior in practice and research. Information on academic honesty is the first step toward this goal.
- As a member of this class and a student at SJSU, you are honor bound to observe and demand academic honesty and integrity from yourself and those around you.
- SJSU's policy on Academic Integrity will be STRICTLY followed for this course. Your own commitment to learning, as evidenced by your enrollment at San Jose State University (SJSU), and the University's Integrity Policy require you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Judicial Affairs. The policy on academic integrity can be found at:
- http://sa.sjsu.edu/judicial_affairs/index.html
- If you are caught cheating on any assignment and if this transgression is verified after due process, you will receive a zero for that specific assignment and/or an F for the entire course, depending on the severity of the infraction.
- Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, *all assignments are to be completed by the individual student unless otherwise specified*. If you would like to include in your assignment any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Policy F06-1 requires approval of instructors.
- In summary, all students are responsible for maintaining the highest standards of honesty and integrity in every phase of their academics. The penalties for academic dishonesty are severe and *ignorance is not an acceptable defense*. The Student Conduct Code defines academic offenses and details procedures for dealing with them. All students are expected to be familiar with the content of the Student Conduct Code.

Campus policy in compliance with the Americans with Disabilities Act

- If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours.
- Presidential Directive 97-03 requires that students with disabilities register with the Disability Resource Center (DRC) to establish a record of their disability. Accommodations of Students with Special Needs Students are referred to the [Disability Resource Center](http://www.drc.sjsu.edu/policies/default.htm), Administration Building 110, (408) 924-6000 (voice), (408) 924-5990 (TDD). You may access their policies and services via the website at: <http://www.drc.sjsu.edu/policies/default.htm>.

III. COLLEGE AND DEPARTMENTAL POLICIES

Vision Statement

The Lurie College of Education is an inclusive, engaged, diverse, intellectual community where teacher-scholars inspire life-long learning and advocacy for excellence and equity in education.

Mission Statements

College of Education: The mission of the Lurie College of Education is to empower graduates with the skills, knowledge and dispositions that ensure access to excellence and equity in education for every student in our diverse, technologically complex, global community. The policies and practices of the Connie L. Lurie College of Education at San José State University are based on the belief that teaching in a democracy requires and must ensure that:

- Students have access to an excellent and equitable education;
- Educators at every level have knowledge of their subject matter and their students, value and engage in ethical practice and excellent pedagogy, and develop dispositions and habits of the mind that ensure that all students have equitable access to an excellent education;
- Stakeholders be involved in the collegial community engaged in the professional conversation and decision making that delineate standards, assign resources, guide program design, and reward accomplishment in the College

Department: The Mission of the Department of Communicative Disorders and Sciences is to provide high-quality academic and clinical preparation to students seeking careers working with individuals who have speech, language and hearing disorders, and their families. Guided by principles of evidence-based practice and working in collaboration with other professionals, our graduates will adhere to the highest ethical standard in serving the needs of our diverse community.

HIPPA Policy

Students will be considered members of the clinic workforce under regulations established by the Health Insurance Portability and Accountability Act (HIPAA). Students will receive instruction in following HIPAA policies and will be required to adhere to these policies.

Confidentiality

All clients have the right to confidentiality. Students are not to discuss cases outside of the Communicative Disorders & Sciences Clinic or in public access areas within CDS (e.g., restrooms, hallways, observation booths, etc.). Known violations of confidentiality will result in a professional infraction. *Serious and/or repeated violations will warrant referral to the Chair of the Communicative Disorders & Sciences Department for disciplinary action.*

Consent for Recording of Class and Public Sharing of Instructor Material

You must obtain the instructor's permission audio/video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.

Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without her approval. You may not publicly share or upload instructor-generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.

CALENDAR – SUBJECT TO CHANGE BY THE INSTRUCTOR

- **Subject to change with fair notice.** Topic coverage is flexible and strongly influenced by the pace of the class. Changes in the format and pace of the course during the semester are up to the discretion of the instructor. **Any changes to this schedule will be announced in class.**

WK	Date	Class Topics and Assignments	Readings
1	August 28	Introduction Tissues and Systems	CH 1
2	September 4	Respiration: Anatomy	CH 2
3	September 11	Respiration Continued	CH 2
4	September 18	Respiration Physiology Assignment 1 Due Review Test 1	CH 3

5 September 25

Test 1: Introduction, body tissues, joints, systems; Respiration: trachea, bronchi, lungs, pleura, bony framework, muscles of inhalation and exhalation, innervation, passive and active forces, checking action, air measures, instrumentation.

6 October 2 Phonation CH 4
Muscles of the larynx

7 October 9 Membranes and Ligaments of the larynx CH 4
Interior of the larynx

8 October 16 Laryngeal physiology CH 4
Innervation and mechanics of phonation

9 October 23 Instrumentation CH 5
Bernoulli effect, Pitch/loudness changing/registers
Assignment 2 Due
Review for Test 2

10 October 30
Test 2. Phonation: anatomy of larynx including cartilages, muscles, cavities, membranes, vocal folds, innervation, instrumentation, Bernoulli effect, attacks, pitch and loudness changing, registers disorders, differences, theories.

11 November 6 Articulation and resonance CH 6, 7
Skull, cavities, vocal tract, mouth
Muscles of the face/nose/pharynx

12 November 13 Teeth/occlusion/mastication/TMJ CH 6, 7
Palate/tonsils Innervation

13 November 20 Swallowing/Instrumentation CH 8
Assignment 3 Due
Review Test 3

14 November 27
Test 3: Articulation/Resonance: skull, cavities, vocal tract, mouth, muscles of face, tongue, nose, pharynx, teeth, occlusion, mastication, temporomandibular joint, palate, tonsils, swallowing, instrumentation,

innervation

15 December 4

Acoustics/Review

Final Assignment Due on Final Exam day/date TBD