

**LURIE COLLEGE OF EDUCATION/DEPARTMENT OF
COMMUNICATIVE DISORDERS & SCIENCES**

**EDSP 113 Speech Science, Section 01
Spring Semester, 2021**

Course and Contact Information

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| Instructor: | Kathleen Castillo, MA, CCC-SLP, BCS-, CBIS |
| Office Location: | N/A |
| Telephone: | (408) 466-4767 |
| Email: | Kathleen.castillo@sjsu.edu |
| Office Hours: | By appointment only |
| Class Days/Time: | Tuesday 4:00 p.m-6:45p.m |
| Classroom: | On Line |
| Prerequisites: | CDS major, upper division standing, or instructors consent. |

Course Format

This course is an in person course, designed to support primarily in person learning. Internet connectivity and a computer will be required. Access to Microsoft Word and Power Point is helpful in this class. Class assignments will be submitted on Canvas. Exams will be partially online and partially in class.

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on [Canvas Learning Management System course login website](http://sjsu.instructure.com) at <http://sjsu.instructure.com>. You are responsible for regularly checking with the messaging system through Canvas to learn of any updates.

Course Description:

The goal of this course is to learn the analysis and measurement of the components and processes involved in the production and reception of speech.

Rationale: As clinicians you are required to have a solid foundation in the normal anatomy and physiology of speech production.

Course Learning Outcomes

Upon successful completion of this course, students will be able to:

The student will:

- 1) Demonstrate knowledge of the anatomy, physiology, and acoustics of speech including the processes of respiration, phonation, articulation, and resonance. (ASHA Standard IV-A, IV-B)

[ASHA 2014 CCC Standards](http://www.asha.org/Certification/2014-Speech-Language-Pathology-Certification-Standards/) related to EDSP 113 as indicated above can be found:
<http://www.asha.org/Certification/2014-Speech-Language-Pathology-Certification-Standards/>

Learning Activities: Exams, Lectures, Readings, Participation, Video, Assignments
Portfolio Evidence: Graded Exam, Assignments
Evaluation Criteria: Instructor Grading

Required Text:

Seikel, J.A., King, D.W., & Drumright, D.G. (2016). *Anatomy & Physiology for Speech, Language, and Hearing* (5th edition) San Diego, CA: Cengage Publishing Group.

Available at SJSU Bookstore. ISBN-978-1-285-19824-8 [software and book](#)

ISBN 13: 9781285198347 for book only. Also available online at:

http://www.delmarlearning.com/browse_product_detail.aspx?catid=58700&isbn=1285198344

Suggested Resources: 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 web, through Canvas. <http://sjsu.instructure.com>

I HIGHLY RECOMMEND you take advantage of this convenience.

Library Liaison

Library Liaison: Suzie Bahmanyar: suzie.bahmanyar@sjsu.edu

Course Requirements and Assignments

| Assignments: | Due Date | Percent of course grade |
|---------------------|-----------------|--------------------------------|
| Larynx Project | See Schedule | 25% |
| 2 Exams | See Schedule | 30% (15% ea) |
| 4 Labs | See Schedule | 20% (5% ea) |
| Final Presentation | May 24, 2021 | 25% |

1. Students will take 3 on-line exams throughout the course of the semester. Exams 1, 2, 3 are each worth 20% of the final grade
2. Students will complete Larynx Project worth 20% of the final grade
3. The final presentation is worth 20% of the final grade. (CLO 1)
4. Students will complete 4 labs each worth 5% of the final grade.
5. Students are expected to attend all classes and contribute to class discussion

Final Examination (15 minutes of Fame)

Students will work in small groups. The final presentation is due on the day of the final. The group will present a disorder that is due to an abnormal system that was reviewed in class (respiration, phonation, articulation/resonance, acoustics & neuro anatomy). Only 1 group can report on each of the areas. Presentation should be no more than 15 minutes and include a power point that briefly outlines the review of the bones, muscles, nerves and ligaments as they apply to the disorder chosen. Additionally, a brief explanation of the disorder as it relates to speech and/or language will be required. Video examples or pictures can be used. The group must use 5 resources (only 2 media and 3 research articles within the last 5 years)

• Proctoring Software and Exams

- This will occur in this course through Respondus Monitor and LockDown Browser. Please note it is the instructor's discretion to determine the method of proctoring. If cheating is suspected the proctored videos may be used for further inspection and may become part of the student's disciplinary record. Note that the proctoring software does not determine whether academic misconduct occurred, but does determine whether something irregular occurred that may require further investigation. Students are encouraged to contact the instructor if unexpected interruptions (from a parent or roommate, for example) occur during an exam.
- **Students are not allowed to record** without instructor permission Students are prohibited from recording class activities (including class lectures, office hours, advising sessions, etc.), distributing class recordings, or posting class recordings. Materials created by the instructor for the course (syllabi, lectures and lecture notes, presentations, etc.) are copyrighted by the instructor. This university policy <https://www.sjsu.edu/senate/docs/S12-7.pdf> is in place to protect the privacy of students in the course, as well as to maintain academic integrity through reducing the instances of cheating. Students who record, distribute, or post these materials will be referred to the Student Conduct and Ethical Development office. Unauthorized recording may violate university and state law. It is the responsibility of students that require special accommodations or assistive technology due to a disability to notify the instructor.
- **Technology Requirements:** Students are required to have an electronic device (laptop, desktop or tablet) with a camera and built-in microphone. SJSU has a free <https://www.sjsu.edu/learnanywhere/equipment/index.php> program available for students. Students are responsible for ensuring that they have access to reliable Wi-Fi during tests. If students are unable to have reliable Wi-Fi, they must inform the instructor, as soon as possible

Grading Information:

Grading Policy: Grades will be determined using the point system detailed above. Your letter grade is based on the following scale.

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

- Note: If final grade is within 0.05%, it will be rounded up. All work must be submitted on time, and completed in an acceptable and ethical manner. See Academic Integrity Statement. Late assignments will be subject to a 10% grade drop per day late, unless you provide valid proof of an exigent circumstance.
- 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 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.**

Classroom Protocol

- 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.
- You are responsible for obtaining copies of any class notes or handouts that were presented and distributed on a day you were absent.
- Read and use your green sheet.
- Be prepared and ready to answer questions during any given class
- Participate in class discussions by making comments, answering and asking questions
- Function as a good classroom citizen by respecting other opinions and being an active listener
- Communicate with me about concerns as they arise

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](#) at <http://www.sjsu.edu/gup/syllabusinfo/>”

EDSP 113 / Speech Science, Spring 2021, Course Schedule

- 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.
- The green sheet is only a general plan for the semester and deviations announced to the class by the instructor (via email, Canvas and/or class lectures) may be necessary as the semester progresses.
- Remember to consult Canvas frequently for updates or announcements

Course Schedule

| Week | Date | Topics | Required Reading |
|------------|--------------|---|------------------------|
| 1 | 02/02 | Introduction Tissues and Systems | CH 1 |
| 2 | 02/09 | Respiration: Anatomy & Physiology | CH 2 & 3 |
| 3 | 02/16 | Anatomy of Phonation | CH 4 |
| 4 | 02/23 | Physiology of Phonation- review exam 1 | Lab #1 Due CH 5 |
| 5 | 03/02 | <i>Exam1 (chapter 1-5)(no lecture)</i> | |
| 6 | 03/09 | Anatomy of Articulation & Resonance | CH 6 |
| 7 | 03/16 | Physiology of Articulation & Resonance –review exam 2 | Lab #2 Due CH 7 |
| 8 | 03/23 | <i>Exam 2 (chapter 7) (no lecture)</i> | |
| 9 | 03/30 | S P R I N G B R E A K | |
| 10 | 04/06 | Anatomy of Articulation & Resonance | Lab #3 due |
| 11 | 04/13 | Project Release Day- NO CLASS | |
| 12 | 04/20 | Anatomy & Physiology of Mastication & Swallowing | |
| 13 | 04/27 | Neuroanatomy | CH9 |
| 14 | 05/04 | Neuro Physiology | Lab #4 due CH10 |
| 16 | 05/11 | <i>Larynx project</i> | |
| Final Exam | 05/25 | Final Examination 4:00-6:45 p.m | |