

# **CSDS 216: Seminar in Voice Disorders**

## **Spring 2020**

### **Introduction and Course Description**

CSDS 216 is a 3 unit graduate seminar covering the assessment and treatment of voice disorders. The purpose of CSD 216 is to provide students with the opportunity for advanced study in the area of voice disorders. This course will include a comprehensive examination of current methodologies for the diagnosis and treatment of childhood and adult vocal pathologies. It will also include a comprehensive review of the anatomy, physiology and neurology associated with voice production.

### **Department of Communicative Sciences and Deaf Studies Mission Statement**

The mission statement of the Department of Communicative Sciences and Deaf Studies at CSUF is to disseminate knowledge and to train professionals in speech-language pathology, audiology, deaf education, and interpreting who will provide quality service to the public. The Department will accomplish this mission by providing a stimulating learning environment for enhancing personal and educational development, promoting understanding of people with various cultures, and offering opportunities for research and scholarship in communicative disorders and deaf studies.

<b>SYLLABUS FOR CSDS 216: SEMINAR IN VOICE DISORDERS</b>	
Spring 2020	California State University, Fresno
CSDS 216: Seminar in Voice Disorders	Instructor:
Units: 3	Office Number:
Time:	E-Mail:
Location:	Telephone:
Website: located on CANVAS	Office Hrs:

### **Prerequisites**

This course is only available to graduate students in the Speech-Language Pathology Master's Program. Graduate students from other programs will need to contact the course instructor for special permission.

## Required Textbooks and Materials

Stemple, J., Roy., & Klaben, B. (2020). *Clinical Voice Pathology: Theory and Management* (6<sup>th</sup> ed.) San Diego: Plural Publishing [ISBN# 978-1-63550-028-8]

The syllabus, course outline, laryngeal illustrations and other important class information will be posted on CANVAS.

## Course Goals and Objectives

Following successful completion of this course students will demonstrate:

1. Understanding of the anatomy, physiology, and neurology of phonation. (CTC Speech-Language Pathology Services Credential Standard 1)
2. Knowledge of the physical bases and processes involved in the production of voice. (CTC Speech-Language Pathology Services Credential Standard 1)
3. An understanding of the risk factors and etiologies associated with voice disorders, and how to prevent them, through written descriptions, the development of appropriate case history questions, the development of a “vocal hygiene program”, and written examinations requiring them to do so.
4. The ability to identify specific voice disorders given the acoustic properties of the voice and physical characteristics of the vocal folds through participation in class discussions, written examinations requiring them to do so, and completion of a lab assignment requiring them to participate in laryngoscopic exams of the vocal folds and voice analysis using the CSL. (CTC Speech-Language Pathology Services Credential Standard 3)
5. An understanding of the components of a thorough voice assessment including the gathering of Case History information; clinical tasks used to assess loudness, pitch, quality and resonance; the use of instrumentation such as the CSL; and laryngoscopy, through class participation and the successful completion of Lab Assignments requiring them to do so.
6. The ability to accurately identify appropriate interventions given a specific voice disorder, including voice disorders associated with gender identity and expression, through written exams and/or class presentations for assigned “facilitating techniques”. (CTC Speech-Language Pathology Services Credential Standard 5)
7. An understanding of recent literature and evidence-based practice regarding the assessment and treatment of voice disorders through successful completion of a literature review, annotated bibliography, and/or well-supported research paper on an assigned voice topic. (CTC Speech-Language Pathology Services Credential Standards 3 & 5)

## Examinations and Major Assignments

Your grade will be based on 3 examinations, a paper (annotated bibliography) and lab assignments. The tentative breakdown for points in the class is listed below, although this is subject to change, as needed. This will be finalized as the class goes forward. Class participation will also be considered at the time grades are assigned.

Exam 1	50 points
Exam 2	100 points
Exam 3	125 points (final exam)
Annotated Bibliographies	36 points
Lab Assignments	<u>10 points</u>
TOTAL	321 points

## GRADING CRITERIA

The total number of points earned on the three tests, lab and paper will be summed. The final grade will be assigned according to the following criteria:

90-100%	= A
80-89%	= B
70-79%	= C
60-69%	= D
0 -59%	= F

## EXAMS

Exams will consist of objective questions, short answers, and essays. Questions may come from the reading assignments and/or information presented during the class lectures. All tests must be taken at the assigned time. Make up tests will only be given in cases of extreme emergency with a documented legal or medical excuse.

**Exam 1** will cover the anatomy, physiology and neurology of the laryngeal mechanism. Students will be required to label structures of the larynx, to include the framework, and musculature; describe neural innervation of the larynx; describe the myoelastic-aerodynamic theory of voice production; and describe the process of vocal fold movements for abduction, adduction, pitch adjustments, and loudness adjustments.

**Exam 2** will cover Etiologic Correlates, Pathologies of the Laryngeal Mechanism, and Voice Disorders. Students will: a) provide a written description of the etiologies associated with specific voice disorders; b) identify risk factors associated with specific voice disorders, and c) identify specific voice disorders given the acoustic properties of the voice and physical characteristics of the vocal folds seen on video.

**Exam 3** will cover the Assessment and Treatment of Voice Disorders. Students will be required to list and describe the components of a comprehensive voice assessment, describe specific assessment procedures, list and describe various treatment procedures, and identify appropriate interventions given a specific voice disorder.

## ANNOTATED BIBLIOGRAPHY / RESEARCH PAPER (CTC Speech-Language Pathology Services Credential Standard 3)

You will complete an annotated bibliography on a specific voice topic that you select. The annotated bibliography will contain 6 references. The references you select should be research-

based articles from peer reviewed journals. Look for articles that explore areas related to the treatment of voice disorders or of a specific voice disorder/pathology. The content of an annotated bibliography will be reviewed in class. Assignments need to be neatly typed, using APA (7<sup>th</sup> ed.) format. Annotated bibliographies are due on **April 13th**– no late assignments will be accepted.

### **SPEECH SCIENCE/VOICE LAB ASSIGNMENTS = (CTC Speech-Language Pathology Services Credential Standard 3)**

Students will be required to complete a series of supervised lab assignments in the Speech Science/Voice Lab (PHS 217). The Lab Assignments will require you to successfully place a rigid endoscope 2 times, view a minimum of 5 voice disorder videos, and complete 4 lessons that require you to use the Computerized Speech Lab (CSL) to analyze voice. Lab assignments/schedules will be distributed at the beginning of the semester. Lab Assignments will be due on **April 27th**.

### **IN-CLASS ASSIGNMENTS (CTC Speech-Language Pathology Services Credential Standard 3)**

In addition to the major assignments, listed above, there will be a series of ungraded in-class assignments designed to provide practice in labelling laryngeal anatomy using pictures, models, and/or videos of endoscopic examinations; and to provide practice in identifying laryngeal pathologies when shown a photo or video. The instructor will point to a structure on a photo, video, or model, and you will be required to write down the name of the structure or of the pathology represented. You will be required to complete the same tasks during Exam 1 and Exam 2, as appropriate.

You will also be asked to provide a written description of the myoelastic aerodynamic theory of voice production. We will review these together in class so that you can refine your description, then use it to answer questions about voice production. This topic will also be covered on Exam 1.

## **Additional Requirements and Expectations**

In accordance with procedures of CSUF, withdrawing from one or more classes after the second week of instruction can only be done for serious and compelling reasons. A serious and compelling reason typically includes a medical, emotional or other highly extenuating circumstance that precludes completion of the class.

It is usually expected that students will spend approximately 2 hours of study time outside of class for every one hour in class. Since this is a 3-unit class, you should expect to study an average of 4 hours outside of class each week. Some students may need more outside study time and some less.

### **Attendance Policy**

Regular attendance is mandatory. It is important to realize that missing one class is equivalent to missing an entire week's worth of classes. As graduate students, you understand that this is not acceptable. Poor attendance or tardiness may result in a deduction of up to 50 points from your

class total. This course covers complex subject matter that may not be explained clearly in the reading materials alone. Having said this, it is understood that serious and compelling situations do arise whereby an absence may become necessary. Following such an excused absence, it is the student's responsibility to obtain the class information from another student.

## **Assignment and Examination Schedule**

Date	Assignment	Points
4/13/2020	Annotated Bibliographies	36
4/27/2020	Lab Assignments Due	10
2/5/2020	Exam 1	50
3/9/2020	Exam 2	100
5/13/2020	Exam 3	125

## **Subject to Change Statement**

This syllabus and schedule are subject to change in the event of extenuating circumstances. If you are absent from class, it is your responsibility to check on announcements made while you were absent.

## **University Policies**

### **Students with Disabilities:**

If you have special needs as addressed by the Americans with Disabilities Act (ADA), please contact me immediately. It is the responsibility of students with disabilities to identify themselves to the university and to the instructor. Upon identifying themselves to the instructor and the university, students with disabilities will receive reasonable accommodation for learning and evaluation. For more information, contact Services to Students with Disabilities in the Henry Madden Library, Room 1202 (278-2811).

### **Honor Code:**

“Members of the CSU Fresno academic community adhere to principles of academic integrity and mutual respect while engaged in university work and related activities.” You should:

- a) understand or seek clarification about expectations for academic integrity in this course (including no cheating, plagiarism and inappropriate collaboration)
- b) neither give nor receive unauthorized aid on examinations or other course work that is used by the instructor as the basis of grading.
- c) take responsibility to monitor academic dishonesty in any form and to report it to the instructor or other appropriate official for action.

Instructors may require students to sign a statement at the end of all exams and assignments that "I have done my own work and have neither given nor received unauthorized assistance on this work." If you are going to use this statement, include it here.

### **Cheating and Plagiarism:**

"Cheating is the actual or attempted practice of fraudulent or deceptive acts for the purpose of improving one's grade or obtaining course credit; such acts also include assisting another student to do so. Typically, such acts occur in relation to examinations. However, it is the intent of this definition that the term 'cheating' not be limited to examination situations only, but that it include any and all actions by a student that are intended to gain an unearned academic advantage by fraudulent or deceptive means. Plagiarism is a specific form of cheating which consists of the misuse of the published and/or unpublished works of others by misrepresenting the material (i.e., their intellectual property) so used as one's own work." Penalties for cheating and plagiarism range from a 0 or F on a particular assignment, through an F for the course, to expulsion from the university. *Because the instructor cannot objectively determine a student's intentions, he/she will consider student behavior that is consistent with cheating or plagiarism to be cheating or plagiarism. It is the student's responsibility to avoid any suspicious behaviors.*

### **Computers:**

"At California State University, Fresno, computers and communications links to remote resources are recognized as being integral to the education and research experience. Every student is required to have his/her own computer or have other personal access to a workstation (including a modem and a printer) with all the recommended software. The minimum and recommended standards for the workstations and software, which may vary by academic major, are updated periodically and are available from [Information Technology Services](http://www.fresnostate.edu/adminserv/technology/) (<http://www.fresnostate.edu/adminserv/technology/>) or the University Bookstore. In the curriculum and class assignments, students are presumed to have 24-hour access to a computer workstation and the necessary communication links to the University's information resources."

### **Disruptive Classroom Behavior:**

"The classroom is a special environment in which students and faculty come together to promote learning and growth. It is essential to this learning environment that respect for the rights of

others seeking to learn, respect for the professionalism of the instructor, and the general goals of academic freedom are maintained. ... Differences of viewpoint or concerns should be expressed in terms which are supportive of the learning process, creating an environment in which students and faculty may learn to reason with clarity and compassion, to share of themselves without losing their identities, and to develop and understanding of the community in which they live.” Students are expected to treat the instructor and each other with civility, common courtesy and respect. Student conduct which disrupts the learning process shall not be tolerated and may lead to disciplinary action and/or removal from class. The use of pagers, telephones, or other devices that are disruptive during class is prohibited; such devices must be turned off during class.

## Copyright Policy:

Copyright laws and fair use policies protect the rights of those who have produced the material. The copy in this course has been provided for private study, scholarship, or research. Other uses may require permission from the copyright holder. The user of this work is responsible for adhering to copyright law of the U.S. (Title 17, U.S. Code). To help you familiarize yourself with copyright and fair use policies, the University encourages you to visit its [Copyright Web Page](http://libguides.csufresno.edu/copyright) (<http://libguides.csufresno.edu/copyright>).

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## Tentative Course Schedule

	Date	Topic	Reading Assignment
	Mon., Jan 20	No Class	
1	Wed., Jan. 22	Review Syllabus Unit I: <i>Introduction</i> Unit II: <i>Anatomy &amp; Physiology</i>	Stemple, Glaze, & Klaben, ch. 1 & 2
2	Mon., Jan 27	Unit II: <i>Anatomy &amp; Physiology (cont.)</i>	Stemple, Glaze, & Klaben, ch. 2
3	Wed., Jan. 29	Unit II: <i>Anatomy &amp; Physiology (cont.)</i>	Stemple, Glaze, & Klaben, ch. 2
4	Mon., Feb. 3	Unit II: <i>Anatomy &amp; Physiology (cont.)</i>	Stemple, Glaze, & Klaben, ch. 2

	<b>Date</b>	<b>Topic</b>	<b>Reading Assignment</b>
5	Wed., Feb. 5	<b>EXAM #1: Units I – II</b>	
6	Mon., Feb. 10	Unit III: <i>Etiologic Correlates</i>	Stemple, Glaze, & Klaben, ch. 3
7	Wed., Feb. 12	Unit III: <i>Etiologic Correlates</i>	Stemple, Glaze, & Klaben, ch. 3
	Mon., Feb. 17	Presidents Day Holiday, NO CLASS	
8	Wed., Feb. 19	Unit IV: <i>Pathologies of the Laryngeal Mechanism</i>	Stemple, Glaze, & Klaben, ch. 4
9	Mon., Feb. 24	Unit IV: <i>Pathologies of the Laryngeal Mechanism</i>	Stemple, Glaze, & Klaben, ch. 4
10	Wed., Feb. 26	Unit IV: <i>Pathologies of the Laryngeal Mechanism</i>	Stemple, Glaze, & Klaben, ch. 4
11	Mon., March 2	Unit IV: <i>Pathologies of the Laryngeal Mechanism</i>	Stemple, Glaze, & Klaben, ch. 4
12	Wed., March 4	Unit IV: <i>Pathologies of the Laryngeal Mechanism</i>	Stemple, Glaze, & Klaben, ch. 4
13	Mon., March 9	<b>EXAM #2: Units III &amp; IV</b>	
14	Wed., March 11	Unit V: Assessment	Stemple, Glaze, & Klaben, ch. 5 & 6
15	Mon., March 16	Unit V: Assessment	Stemple, Glaze, & Klaben, ch. 5 & 6
16	Wed., March 18	Cancellation due to the CSHA Convention	
17	Mon., March 23	Unit V: Assessment	Stemple, Glaze, & Klaben, ch. 5 & 6
18	Wed., Apr 1	Unit V: Assessment / Unit VI: Treatment	Stemple, Glaze, & Klaben, ch. 7
19	Mon., March 30	Unit VI: Treatment	Stemple, Glaze, & Klaben, ch. 7 & 8
20	Wed., Apr 1	Unit V: Assessment / Unit VI: Treatment	Stemple, Glaze, & Klaben, ch. 7
	4/6 & 4/8	Spring Break	
21	Mon., Apr 13	Unit VI: Treatment <b>Annotated Bibliographies Due</b>	Stemple, Glaze, & Klaben, ch. 7 & 8
22	Wed., Apr 15	Unit VI: Treatment	Stemple, Glaze, & Klaben, ch. 7 & 8
23	Mon., Apr 20	Unit VII: Laryngectomy Rehab	Stemple, Glaze, & Klaben, ch. 9
24	Wed., Apr 22	Unit VII: Laryngectomy Rehab	Stemple, Glaze, & Klaben, ch. 9



	<b>Date</b>	<b>Topic</b>	<b>Reading Assignment</b>
25	Mon., Apr 27	Unit VII: Laryngectomy Rehab LAB ORIENTATION	Stemple, Glaze, & Klaben, ch. 9
26	Wed., Apr 29	LAB #1 in PHS 217	
27	Mon., Dec 9	LAB #2 in PHS 217	
28	Wed., Dec 11	Last Day of Instruction LAB #3 in PHS 217	
Final Exam Preparation & Faculty Consultation Days:			Thursday and Friday , May 7-8
<b>Final Exam: Units V, VI, VII</b>			<b>Wed., May 13 from 5:45 – 7:45</b>