

CSAD 110: PHYSICS OF SOUND AND PHONETICS

In Workflow

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Approval Path

1. Mon, 09 Sep 2024 22:06:04 GMT
Heather Thompson (heather.thompson): Approved for CSAD Committee Chair
2. Mon, 09 Sep 2024 22:06:56 GMT
Heather Thompson (heather.thompson): Approved for CSAD Chair
3. Wed, 18 Sep 2024 03:08:50 GMT
Andrea Becker (andrea.becker): Approved for HHS College Committee Chair
4. Wed, 18 Sep 2024 14:04:31 GMT
Robert Pieretti (sac19804): Approved for HHS Dean

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Viewing: CSAD 110 : Physics of Sound and Phonetics

Last edit: Wed, 18 Sep 2024 03:08:46 GMT

Changes proposed by: Heather Thompson (215502704)

Contact(s):

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|-------------------|---------------------------|--------------------|
| Heather Thompson | heather.thompson@csus.edu | 916-278-6654 |

Catalog Title:

Physics of Sound and Phonetics

Class Schedule Title:

Physics of Sound and Phonetics

Academic Group: (College)

HHS - Health & Human Services

Academic Organization: (Department)

Communication Sciences and Disorders

Will this course be offered through the College of Continuing Education (CCE)?

Yes

Please specify:

CCE and Stateside

Catalog Year Effective:

Fall 2025 (2025/2026 Catalog)

Subject Area: (prefix)

CSAD - Communication Sciences and Disorders

Catalog Number: (course number)

110

Course ID: (For administrative use only.)

164626

Units:

4

Is the only purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?

No

In what term(s) will this course typically be offered?

Fall, Spring

Does this course require a room for its final exam?

Yes, final exam requires a room

This course complies with the credit hour policy:

Yes

Justification for course proposal:

We would like to adjust the premajor requirements and the course prerequisites and corequisites to allow students in the health science major to be able to take the required courses to be able to apply directly for the doctorate of audiology program. Removing DEAF 51 and PSYC 2 as prerequisites and CSAD 111 as a corequisite will allow students to be eligible for this doctoral program and allow better access. While these pre- and co-requisites are still required to complete all CSAD majors, they aren't specifically required for this particular course.

Course Description: (Not to exceed 90 words and language should conform to catalog copy.)

Physical production, acoustic characteristics of sounds of speech. International Phonetic Alphabet as applied to speech sounds; practice in phonetic transcription of dialects and deviant speech; applications in speech education, speech and hearing therapy. Introduction to physiological acoustics, psychoacoustics, and acoustic phonetics. Perception of speech including voice, resonance, individual speech segments; instrumentation for acoustic and perceptual analysis of speech.

Are one or more field trips required with this course?

No

Fee Course?

No

Is this course designated as Service Learning?

No

Is this course designated as Curricular Community Engaged Learning?

No

Does this course require safety training?

No

Does this course require personal protective equipment (PPE)?

No

Does this course have prerequisites?

Yes

Prerequisite:

CHAD 30 and STAT 1

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

Instructor Approval

Course Component(s) and Classification(s):

Lecture

Lecture Classification

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

Lecture Units

4

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

Yes

How many times can the course be taken (including first time passed)?

2

Total credits allowed (including first time passed)

8

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

| | Expected Learning Outcome | Assessment Strategies |
|---|---|--|
| 1 | Students will be able to identify the physical and perceptual properties of the production of specific sounds. | Discussion posts: Quiz 1,2, & 3; Lab 1; Exam 1 |
| 2 | Students will be able to both accurately identify and describe both the articulatory and acoustic properties of speech sounds (vowels, consonants, diphthongs) using verbal descriptions and graphic representations of these properties. | Quiz 3; Exam 1; Spectrogram |
| 3 | Students will be able to critically evaluate how research in speech science is applied to clinical treatment in speech pathology and audiology. | Exam 1 |
| 4 | Students will be able to use computer resources to improve learning process. | Lab 2 |
| 5 | Students will be able to describe the psychoacoustic correlates of sound namely pitch, loudness and timbre. | Quiz 1, 2, & 3, Exam 1 |
| 6 | Students will be able to identify the role played by the critical band in the understanding of auditory information. | Lab 2, Exam 1 |
| 7 | Students will demonstrate competence in transcribing normal and abnormal speech into the International Phonetic Alphabet. | Exams 3 & 4 |
| 8 | Students will identify and transcribe phonemic versus phonetic contrasts as well as the nature of sound variation in speech production. | Exam 2 |
| 9 | Students will label basic anatomy and physiology of the speech mechanism. | Exams 3 & 4 |

| | | |
|----|---|-------------|
| 10 | Students will describe the basic process of early articulation and phonology development. | Exams 3 & 4 |
| 11 | Students will explain the difference between an articulation approach and a phonological approach evaluating and treating speech disorders. | Exams 3 & 4 |
| 12 | Students will discern between speech differences and a disorders based on an understanding of cultural pronunciation differences. | Exam 4 |

Attach a list of the required/recommended course readings and activities:

Assignments for CSAD 110.pdf

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

No

Identify the program(s) in which this course is required:

Programs:

BS in Communication Sciences and Disorders

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:

- Competence in the disciplines
- Knowledge of human cultures and the physical and natural world
- Intellectual and practical skills
- Personal and social responsibility
- Integrative learning

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Please attach any additional files not requested above:

2024 fall syllabus-csad-110-01.pdf

Key: 970