



California State University, Sacramento

Department of Communication Sciences and Disorders

UNDERGRADUATE SYLLABUS & COURSE OUTLINE

Semester/Year: Fall 2022	Course: CSAD 110 Physics of Sound and Phonetics.	Section: 02
Meeting Days: Monday/Wednesday	Meeting Times: 1:00 PM-2:50 PM	Location: Folsom Hall 2604
Instructor: Keith Haberstrock, M.S. CCC-SLP	Email: keith.haberstock@csus.edu	Phone: 916-832-0745 (Text Only)
Office Location: Nursing 2000 Cubicle D	Office Hours/Appointments: M/W 2:50-3:30 (By e-mail appointment request)	

Catalogue Course Description

CSAD 110. Physics of Sound and Phonetics.4 Units

Prerequisite(s): [CHDV 30](#), [DEAF 51](#), [PSYC 2](#), and [STAT 1](#)

Corequisite(s): [CSAD 111](#)

Term Typically Offered: Fall only

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.

Place of Course in Program

This is an undergraduate course generally taken by junior level students in the Fall. It is a requirement for the bachelor's degree in CSAD and for acceptance into the graduate program.

<u>Sacramento State Baccalaureate Learning Goals for the 21st Century (BLG)</u>	<u>Addressed by this course (Y/N)</u>
Competence in the Disciplines: <i>The ability to demonstrate the competencies and values listed below in at least one major field of study and to demonstrate informed understanding of other fields, drawing on the knowledge and skills of disciplines outside the major.</i>	Y
Knowledge of Human Cultures and the Physical and Natural World <i>through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts. Focused by engagement with big questions, contemporary and enduring.</i>	Y
Intellectual and Practical Skills, Including: <i>inquiry and analysis, critical, philosophical and creative thinking, written and oral communication, quantitative literacy, information literacy, teamwork and problem solving, practiced extensively, across the curriculum, in the context of progressively more challenging problems, projects, and standards for performance.</i>	Y
Personal and Social Responsibility, Including: <i>civic knowledge and engagement—local and global, intercultural knowledge and competence*, ethical reasoning and action, foundations and skills for lifelong learning anchored through active involvement with diverse communities and real-world challenges</i>	Y
Integrative Learning** , Including: <i>synthesis and advanced accomplishment across general and specialized studies</i>	Y

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web when a quadratic function is represented in vertex form following points are to be noted if $h > 0$ graph shifts right by h units if $h < 0$ graph shifts left by h units if $k > 0$ graph shifts upwards by k units if $k < 0$ graph shifts downwards by k units h

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