

Speech, Language, and Hearing Sciences (SLH)

SLH 306K Introduction to Speech, Language, and Hearing Sciences 3 Hours

Introduction to the study of processes and disorders of speech, language, and hearing.

SLH 108, 208, 308 Topics in Speech, Language, and Hearing Sciences 1-3 Hours

SLH 308K Perspectives on Deafness 3 Hours

Examine deafness from a number of perspectives: social and psychological meanings of deafness, the deaf community, education of deaf children, sign languages, and historical trends.

SLH 311K Phonetic Description of Speech 3 Hours

Examine speech production, physiological analysis and description of speech sounds, voice quality, and voice dynamics; notation; phonetic theory; applications of phonetics.

SLH 312 Developmental Language Science 3 Hours

Introduction to language and literacy development from birth through adolescence.

SLH 313L Hearing Science 3 Hours

Examine acoustical, physiological, and psychological bases of normal human hearing. Explore theories of audition.

SLH 113P Hearing Science: Laboratory 1 Hour

Examine laboratory techniques in hearing science research.

SLH 314L Sociocultural Bases of Communication 3 Hours

An introduction to the influences of social and cultural factors, such as ethnicity, socioeconomic status, and geographic region, on communication acquisition and use, with a focus on cross-cultural communication issues in a diverse society.

SLH 315S Speech Science 3 Hours

Neurophysiological mechanisms underlying the encoding and decoding of speech.

SLH 118L Development Language Science: Laboratory 1 Hour

Examine child language in a clinical laboratory setting.

SLH 119S, 219S, 319S, 419S, 519S, 619S, 719S, 819S, 919S Topics in Speech, Language, and Hearing Sciences 1-9 Hours

This course is used to record credit the student earns while enrolled at another institution in a program administered by the University's Study Abroad Office. Credit is recorded as assigned by the study abroad advisor in the academic unit. University credit is awarded for work in an exchange program; it may be counted as coursework taken in residence. Transfer credit is awarded for work in an affiliated studies program.

SLH 129S, 229S, 329S, 429S, 529S, 629S, 729S, 829S, 929S Topics in Speech, Language, and Hearing Sciences 1-9 Hours

This course is used to record credit the student earns while enrolled at another institution in a program administered by the University's Study Abroad Office. Credit is recorded as assigned by the study abroad advisor in the academic unit. University credit is awarded for work in an exchange program; it may be counted as coursework taken in residence. Transfer credit is awarded for work in an affiliated studies program.

SLH 331E Instructional Methods for Deaf Students 3 Hours

Examine methods of assessment, curriculum organization, lesson planning, instruction, and classroom management in education of deaf children.

SLH 340P Clinical Observation in Speech Language Pathology 3 Hours
Explore evidence-based practice in speech and language pathology through guided observation.

SLH 341 Principles of Audiology 3 Hours

Explore the causes of hearing disorders and examine diagnostic procedures and treatment.

SLH 350 Language and the Brain 3 Hours

Explore the neuroanatomical and functional operations of the major brain structures that underlie speech/language. Examine hemispheric dominance for language, neurological and language breakdowns in aphasia, and brain imaging methods and studies of language representation.

SLH 352 Topics in Speech, Language, and Hearing Sciences 3 Hours

SLH 352.1 Bilingualism: Language Development and Disorders 3 Hours

Examine bilingual language development and the manifestation of speech and language disorders in bilingual children with a special focus on Spanish-English bilingualism. Explore disorder areas including developmental language disorders, speech sound disorders, fluency, and reading disabilities. Consider bilingual language development in cultural and linguistic contexts. Discuss communication disorders including evidence-based practices in interventions for bilingual children.

SLH 352.2 Augmentative and Alternative Communication 3 Hours

Examine augmentative and alternative communication (AAC) approaches for individuals with severe communication impairments. Explore foundational information for providing or referring services in AAC.

SLH 352.3 Bilingualism Across the Lifespan 3 Hours

Explore the consequences of bilingualism on brain and mind across the lifespan. Survey current issues related to bilingualism as they pertain to speech-language pathology.

SLH 358 Anatomy and Physiology of the Speech and Hearing Mechanism 3 Hours

Examine the anatomy and physiology of structures involved in speech, language, hearing, and swallowing in-depth. Explore anatomical and physiological mechanisms of respiration, phonation, articulation, and hearing; and the central nervous system and blood supply to the speech and hearing mechanism.

SLH 158L Anatomy and Physiology of Speech and Hearing: Laboratory 1 Hour

Examine anatomy and physiology of structures involved in speech, language, hearing, and swallowing in a laboratory setting. Explore anatomical and physiological mechanisms of respiration, phonation, articulation, and hearing; and the central nervous system and blood supply to the speech and hearing mechanism.

SLH 360M Communication and Deaf People 3 Hours

Examine forms of face-to-face communication used with deaf people, including speech and listening, systems of manual communication, and natural sign language, with an emphasis on child development issues and the use of different methods in educational practice.

SLH 364 Deaf Education Internship 3 Hours

Explore deaf education through field experience at the Texas School for the Deaf or public school programs including directed observation and participation with teachers and students in the instructional process.

SLH 367K Introduction to Speech and Language Disorders Assessment and Treatment in Children 3 Hours

Introduction to assessment procedures and treatment strategies for children with speech and language disorders.

SLH 167M, 367M Clinical Practicum in Speech-Language Pathology and Audiology 1,3 Hours
Engage in a supervised clinical practicum in speech-language pathology and audiology.

SLH 370 Clinical Research Internship 3 Hours
Supervised participation in clinical research internships.

SLH 170N, 370N, 670N Internship 1,3,6 Hours

SLH 371 Introduction to Speech and Language Disorders Assessment and Treatment in Adults 3 Hours
Introduction to assessment procedures and treatment strategies for adults with speech and language disorders.

SLH 373 Principles of Aural Rehabilitation 3 Hours
Examine the rationale, methods, materials, procedures, and criteria for aural rehabilitation for hearing-impaired persons.

SLH 175N Deaf Education Seminar 1 Hour
Discuss social, political, and educational aspects of deafness.

SLH 378 Clinical Audiology 3 Hours
Explore differential diagnostic procedures for evaluation of auditory disorders. Examine theoretical concepts and clinical applications.

SLH 378C Experiential Learning in Clinical Research 3 Hours
Explore experiential learning opportunities within the clinical environment observe clinical research, connect concepts, and reflect on processes that promote translation of theory to practice for stuttering and/or cluttering.

SLH 378D Quality of Life in Clinical Care 3 Hours
Engage in an intensive experiential learning opportunity that emphasizes the positive role of counseling, empathy, self-compassion, and the therapeutic alliance in clinical care for persons who stutter and/or clutter and their loved ones.

SLH 178K, 278K, 378K Studies in Speech Language Pathology, Audiology 1-3 Hours
Supervised individual research.

SLH 178L Clinical Laboratory Experience in Audiology 1 Hour
Examine audiology in a clinical laboratory setting.

SLH 180E, 280E, 380E, 480E Conference Course 1-4 Hours
Examine readings in the literature of speech, language, and hearing sciences designed to expand opportunity for individual consultation both in research and in informational aspects of the work.

SLH 181L, 281L, 381L Clinical Practicum 1-3 Hours
Engage in a supervised clinical practicum in speech, language, and hearing sciences.

SLH 383C Augmentative and Alternative Communication 3 Hours
Examine an overview and a critical analysis of augmentative and alternative communication approaches and how they can best be used for the benefit of individuals with severe communication impairments.

SLH 383N Topics in Speech, Language, and Hearing Sciences for Doctoral Studies 3 Hours
Selected topics on speech, language, and hearing sciences will be explored through reading of current research in the field. Topics include developmental language disorders, speech and language perception, speech production, fluency disorders, dysphagia, neural bases of adult communication disorders, bilingualism, advanced auditory research, and augmentative and alternative communication.

SLH 185F, 285F, 385F Knowledge and Skills in Clinical Science I 1-3 Hours
Develop the knowledge and skills needed in clinical areas across the scope of practice and lifespan.

SLH 185S, 285S, 385S Knowledge and Skills in Clinical Science II 1-3 Hours
Develop the knowledge and skills needed in clinical areas across the scope of practice and lifespan.

SLH 386F Fundamental Principles in Clinical Practicum 3 Hours
Practice the fundamental knowledge and skills in speech language pathology.

SLH 386R Advanced Research Design and Statistics 3 Hours
Explore various aspects of research design and analysis that are commonly practiced within the field of speech-language pathology and audiology.

SLH 386S, 686S, 986S Advanced Applications in Clinical Practicum 3,6,9 Hours
Apply the developed advanced knowledge and skills in speech language pathology.

SLH 391C Cultural and Linguistic Diversity 3 Hours
Explore current issues in provision of speech-language pathology services to children from bilingual backgrounds and adapting procedures to meet the needs of culturally and linguistically diverse families.

SLH 391D Cognitive and Linguistic Foundations of Language Development and Disorders 3 Hours
Examine a framework for understanding the cognitive and linguistic mechanisms that underlie language development and disorders, including linguistic and psycholinguistic theories of language development.

SLH 391E Bilingualism: Typical and Disordered Communication in Adults 3 Hours
Examine the characteristics, assessment, and treatment practices of bilingual adults with acquired cognitive-communication disorders.

SLH 391K Bilingualism: Typical and Disordered Communication in Pediatrics 3 Hours
Examine bilingual language development and speech and language disorders in bilingual children with a special focus on Spanish-English bilingualism. Explore disorder areas including developmental language disorders, speech sound disorders, and fluency. Consider bilingual language development in cultural and linguistic contexts. Explore current issues in provision of speech-language pathology services to children from bilingual backgrounds and adapting procedures to equitably meet the needs of culturally and linguistically diverse families.

SLH 391P Anatomy and Physiology of the Auditory System 3 Hours
Explore the structure and function of the auditory system, including hearing and balance mechanisms.

SLH 392C Counseling 3 Hours
Examine both speech-language pathology and audiology counseling roles when implementing patient-centered and family-centered care in a variety of settings.

SLH 393D Dysphagia 3 Hours
Examine anatomy and physiology relevant to normal swallowing in adults and pediatrics, as well as pathophysiology associated with dysphagia of differing etiologies. Explore various methods to evaluate swallowing function, and practice beginner-level clinical interpretation, with an emphasis on evidence-based practice for dysphagia management.

SLH 393F Stuttering, Cluttering, and Typical Disfluency 3 Hours
Review theories, research, and emerging evidence pertaining to stuttering, cluttering and typical disfluency and their translation to practice.

SLH 393G Developmental Speech Disorders 3 Hours

Examine research in articulation and phonological development and the application of theories of development to assessment and intervention procedures with children with deficits in articulation and/or phonology.

SLH 393J Acquired Cognitive Communication Disorders II 3 Hours

Examine the characteristics, assessment, and clinical management of acquired neurogenic disorders of cognition and communication, such as traumatic brain injury (TBI) and dementia.

SLH 393M Acquired Cognitive Communication Disorders I 3 Hours

Examine characteristics, assessment, and clinical management of acquired neurogenic disorders of cognition and communication, such as aphasia and right hemisphere disorders.

SLH 393P Preschool Language Disorders 3 Hours

Examine communication deficits unique to children from birth to age five.

SLH 393Q Acquired Speech Disorders 3 Hours

Examine the neurological foundations of speech, speech disorders that can develop as a result of damage to the nervous system, and the ways in which motor speech disorders can be diagnosed and managed.

SLH 393S School-Age Language Disorders 3 Hours

Examine communication deficits unique to children age five and beyond.

SLH 393V Voice Disorders 3 Hours

Examine normal and disordered voice production, as well as assessment and treatment of voice. Explore the anatomy and physiology of voice, pathologies of voice, instrumental and non-instrumental methods for voice assessment, and interdisciplinary voice management.

SLH 394C Amplifying Systems in Aural Rehabilitation 3 Hours

Examine the principles of hearing aid circuitry and looped systems, ear molds and their acoustic properties, and electroacoustic properties of hearing aids and selection procedures.

SLH 194D, 394D Hearing Conservation 1,3 Hours

Examine auditory and non-auditory effects of noise; damage-risk criteria; federal and state laws governing noise and noise control; acoustic measurement procedures; identification audiometry; ear protection; and non-organic hearing loss and evaluative procedures.

SLH 394E Auditory Electrophysiology 3 Hours

Review the auditory nervous system and evaluate electrodermal, electroencephalographic, and electrocardiographic audiometry in depth.

SLH 395M Applied Machine Learning and Data Analytics 3 Hours

Introduction to the fundamental concepts of machine learning with a focus on its practical use for those who have no engineering or computer science background. Explore basic mathematics (e.g., vector and matrix), specialized programming skills (e.g., Matlab for data processing, visualization, and analysis), and other data analysis techniques (e.g., principal component analysis).

SLH 395N Neurobiological Perspectives on Speech and Language 3 Hours

Explore an overview of sensory, motor, and neurophysiological correlates of speech and language. Examine neuroanatomy and neurophysiology of the human brain, with an emphasis on motor pathways, representation in the brain, neuroimaging, neurophonetic processing, and hemispheric specialization.

SLH 396C Advanced Amplifying Systems 3 Hours

Explore the fitting of advanced amplification systems, including digital hearing aids, frequency modulation and other wireless systems, and assistive listening devices.

SLH 396D Auditory Processing Disorders 3 Hours

Examine the assessment and treatment of disorders of the central auditory nervous system in children and adults.

SLH 396E Advanced Auditory Electrophysiology 3 Hours

Explore advanced diagnostic tools, including acoustic immittance, otoacoustic emissions, auditory evoked potentials, intraoperative monitoring, and vestibular function.

SLH 396M Signals and Systems in Hearing and Speech 3 Hours

Explore electrophysiological and electroacoustic procedures in the study of communication behaviors.

SLH 698 Thesis 6 Hours

SLH 398T Supervised Teaching 3 Hours

SLH 399W, 699W, 999W Dissertation 3,6,9 Hours