SLHS Graduate Courses and Description

SLHS 5401: Counseling and Professional Issues
Credits: 3  
Offered: Fall Semester  
Description: Basic counseling principles and current professional issues related to practice in a dynamic multicultural environment. Application of counseling theory to clinical practice. Analysis of regulation, practice, and future direction of communication disorders.

SLHS 5502: Voice and Cleft Palate
Credits: 3  
Offered: Spring Semester  
Description: Disordered voice and resonance. Presentation and discussion of the nature of etiologies, assessment and management of organic/functional voice disorders and cleft palate to meet clinical competencies for speech-language pathology.

SLHS 5503: Fluency and Motor Speech Disorders
Credits: 3  
Offered: Fall Semester  
Description: Nature/management of stuttering and other motor speech disorders in adults/children.

SLHS 5504: Evaluation and Management of Dysphagia
Credits: 2  
Offered: Fall Semester  

SLHS 5602: Speech Sound Disorders: Assessment and Treatment across Languages
Credits: 3  
Offered: Fall Semester  
Description: Nature, assessment, and treatment of speech sound disorders in children. Assessment and treatment of phonological awareness and pre-literacy skills. This course covers cross-linguistic issues in speech sound disorders, including characteristics of speech sound disorders in a variety of languages, and the differential diagnosis of speech sound disorder from the effects of normal second-language acquisition. Emphasis on functional speech sound disorders, with some coverage given to disorders of a clear organic origin, like cerebral palsy, hearing impairment, and cleft palate.
SLHS 5603: Assessment and Intervention of Language Disorders in Children
Credits: 3
Offered: Fall Semester
Description: Assessment and intervention techniques approaches for treating language impairment in children with disabilities, such as specific language impairment, developmental delays, and autism spectrum disorder.

SLHS 5605: Language and Cognitive Disorders in Adults
Credits: 3
Offered: Spring Semester
Description: Acquired cognitive and communicative disorders in the adult population specifically including: stroke/aphasia, right hemisphere dysfunction, traumatic brain injury, and dementia. Consideration of neurological substrates, disorder symptomology, assessment, clinical intervention, and functional impact across the lifespan and amongst diverse populations.

SLHS 5606: Introduction to Augmentative and Alternative Communication
Credits: 3
Offered: Spring Semester
Description: Description of the range of augmentative and alternative communication applications for persons with developmental and acquired disabilities. Topics include assessment, intervention strategies, progress monitoring, generalization and maintenance, collateral behavior resulting from AAC applications.

SLHS 5608: Clinical Issues in Bilingualism and Cultural Diversity
Credits: 3
Offered: Spring Semester
Description: Topics in cultural diversity, bilingualism, and second language learning needed for clinical competency in speech-language pathology. Basic/applied issues across a broad range of culturally/linguistically diverse populations.

SLHS 5801: Advanced Audiologic Assessment
Credits: 3
Offered: Fall Semester
Description: Basic audiometric battery, including pure tone thresholds, measures of speech understanding, masking and immittance in adults. Topics include video otoscopy, ototoxicity, functional hearing loss, and identification of middle-ear fluid [Students enrolled in this course concurrently enroll in SLHS 5810].

SLHS 5802: Hearing Aids I
Credits: 3
Offered: Fall Semester
Description: Survey of modern hearing aids including history of development, electroacoustic functions, clinic and laboratory measurement techniques, sound field acoustics, techniques for selection [Students enrolled in this course concurrently enroll in SLHS 5810].
SLHS 5803: Pediatric Audiology
Credits: 3
Offered: Fall Semester
Description: Behavioral, physiological approaches to assessment and identification, development of the auditory mechanism, etiologies of hearing losses in infants, children, principles of case management with children and families.

SLHS 5804: Cochlear Implants
Credits: 3
Offered: Spring Semester

SLHS 5805: Advanced Rehabilitative Audiology
Credits: 3
Offered: Spring Semester

SLHS 5806: Auditory Processing Disorders
Credits: 3
Offered: Fall Semester (Even Years)
Description: Normal/disordered auditory processing abilities. Anatomy/physiology of central auditory pathway, assessments to evaluate auditory processing skills, techniques to address auditory processing weaknesses. Current/historical theories/controversies surrounding auditory processing assessment.

SLHS 5807: Noise and Hearing Conservation
Credits: 3
Offered: Fall Semester

SLHS 5808: Pathophysiology of Hearing Disorders
Credits: 3
Offered: Fall Semester
Description: Disorders of auditory system, including anatomical, physiological, perceptual, and audiological manifestations of pathologies affecting hearing. Focus will be on understanding current data on physiology, pharmacology, and novel treatment alternatives.
SLHS 5810: Laboratory Module in Audiology
Credits: 1-2
Offered: Fall and Spring Semester
Description: Intensive study of clinical methods in audiology. Supplements didactic courses in audiology curriculum. Laboratory study, individually or in small groups [Students enroll in this course concurrently with SLHS 5801, 5802, 8801, 8802].

SLHS 5820: Clinical Research and Practice: Grand Rounds
Credits: 1-6 units
Offered: Fall and Spring Semester
Description: Group discussions of current professional issues in audiology. Case presentations, guest presentations on current technology, clinical/research ethics. Group meets for an hour weekly with faculty coordinator who leads discussion. Integrates academic/clinical education.

SLHS 5830: Clinical Foundations in Audiology
Credits: 1-8
Offered: Fall and Spring Semester
Description: Clinical foundations in audiology for first year AuD graduate students.

SLHS 5900: Topic in Speech-Language-Hearing Sciences
Credits: 3
Offered: Spring Semester
Description: Topics listed in Speech-Language-Hearing Sciences office.

SLHS 5993: Directed Study
Credits: 1-12
Offered: Fall and Spring Semester
Description: Directed readings and preparation of reports on selected topics.

SLHS 8333: FTE Masters
Credits: 1
Offered: Fall, Spring, Summer Semester

SLHS 8410: Seminar: Research
Credits: 3
Offered: Fall and Spring Semester
Description: Advanced study exploring application of experimental and quasi-experimental research designs used in single-subject and group research.

SLHS 8420: Seminar: Teaching
Credits: 3
Offered: Fall and Spring Semester
Description: Advanced study to prepare doctoral students for careers in undergraduate and graduate teaching.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Offered</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLHS 8430</td>
<td>Proseminar in Speech-Language-Hearing Science</td>
<td>1</td>
<td>Fall and Spring Semester</td>
<td>Presentations/discussions led by faculty and PhD students in the department, based on research or issues in the discipline.</td>
</tr>
<tr>
<td>SLHS 8444</td>
<td>FTE Doctoral</td>
<td>1</td>
<td>Fall, Spring, Summer</td>
<td></td>
</tr>
<tr>
<td>SLHS 8501</td>
<td>Interdisciplinary Management in Cleft Palate and Craniofacial Disorders</td>
<td>3</td>
<td>Fall Semester</td>
<td>Communication problems associated with cleft palate and craniofacial disorders within interdisciplinary context; structural bases for speech problems, and physical and behavioral approaches to speech treatment; interdisciplinary medical and dental concerns and management.</td>
</tr>
<tr>
<td>SLHS 8530</td>
<td>Seminar: Speech</td>
<td>3</td>
<td>Spring Semester</td>
<td>Advanced study and analysis of research in speech science and speech pathology.</td>
</tr>
<tr>
<td>SLHS 8602</td>
<td>Traumatic Brain Injury</td>
<td>3</td>
<td>Fall Semester</td>
<td>Survey of communicative/cognitive disorders in adults who have traumatic brain injuries. Demographics, neuropathologic substrates, assessment/diagnosis, clinical applications.</td>
</tr>
<tr>
<td>SLHS 8630</td>
<td>Seminar: Language</td>
<td>3</td>
<td>Fall and Spring Semester</td>
<td>Research in language acquisition, language science, and language disorders.</td>
</tr>
<tr>
<td>SLHS 8666</td>
<td>Doctoral Pre-Thesis Credits</td>
<td>1-6</td>
<td>Fall, Spring, Summer</td>
<td></td>
</tr>
<tr>
<td>SLHS 8720</td>
<td>Clinical Education in Speech-Language Pathology</td>
<td>1-8</td>
<td>Fall, Spring, Summer</td>
<td>Clinical experience.</td>
</tr>
</tbody>
</table>
SLHS 8777: Thesis Credits: Master's
Credits: 1-18
Offered: Fall, Spring, Summer Semester

SLHS 8801: Electrophysiologic Assessment of Auditory Function
Credits: 3
Offered: Spring Semester
Description: Basic terminology, and theoretical aspects of the auditory evoked potentials, electrocochleography, acoustic reflectance and otoacoustic emissions. Topics include case studies with clinical application of short-latency responses such as the auditory brainstem response and otoacoustic emissions in adults [Students enrolled in this course concurrently enroll in SLHS 5810].

SLHS 8802: Hearing Aids II
Credits: 3
Offered: Spring Semester
Description: Instrumentation and methods for fitting and evaluating personal hearing aids; ear impression techniques and materials; repair and modification of hearing aids [Students enrolled in this course concurrently enroll in SLHS 5810].

SLHS 8803: Signals and Systems in Audiology
Credits: 3
Offered: Fall Semester
Description: This mostly laboratory class includes familiarization and application of test equipment and methods for calibrating audiometric equipment. Sessions will include topics such as sound-field calibration, earphone calibration, filters, spectra of transient signals, and use of an artificial mastoid.

SLHS 8805: Hearing Science Foundations of Audiology
Credits: 3
Offered: Fall Semester
Description: Physiological/psychological acoustics. Emphasizes hearing loss. Acoustics of the middle and external ear, cochlear mechanics, neural codes for perception, frequency selectivity, loudness, temporal resolution, clear speech, attention, prediction of speech understanding ability using stimulus measures, and binaural hearing.

SLHS 8806: Audiology Capstone
Credits: 1-6
Offered: Fall Semester
Description: Students research a case history of patient with an auditory disorder, write paper that summarizes the literature on the disorder, and recommend assessment tools and treatment plans.
**SLHS 8807: Balance Assessment**
Credits: 3
Offered: Spring Semester
Description: Anatomy/physiology of vestibular mechanism. Assessment techniques to evaluate balance function. Treatment options available for persons with balance disorders.

**SLHS 8820: Clinical Education in Audiology**
Credits: 1-8
Offered: Fall, Spring, Summer Semester
Description: Clinical Experience.

**SLHS 8830: Seminar: Hearing**
Credits: 3.0
Offered: Fall, Spring, Summer Semester
Description: Advanced study/analysis of research in hearing science and audiology.

**SLHS 8840: Audiology Externship**
Credits: 1-7
Offered: Fall, Spring, Summer Semester
Description: Students intern at external clinical setting under supervision of certified audiologist. Entry-level knowledge/skills required for professional practice as clinical audiologist. External internship settings may include hospitals, schools, private otolaryngology practices, hearing aid dispensing practices, industrial settings, and community clinics.

**SLHS 8888: Thesis Credit: Doctoral**
Credits: 1-24
Offered: Fall, Spring, Summer Semester

**SLHS 8894: Directed Research**
Credits: 1-12
Offered: Fall, Spring, Summer Semester
Description: Directed Research.