

Fall 2020 Course Descriptions as of 04/05/2020 08:14 PM

Information in Browse Course Catalog is subject to change. Information is term specific. Please refer to the appropriate term when searching for course content. Key to Course Descriptions may be found at: http://rcs.registrar.arizona.edu/course_descriptions_key.

Speech, Language & Hearing Sci (SLHS)

SLHS 199: Independent Study (1 - 3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 207: Survey of Human Communication and Its Disorders (3 units)

Description: The purpose of this course is to introduce students to the scientific study of human communication and its disorders, and to provide an introduction to the professions of Speech-Language Pathology and Audiology. The course provides an overview of the biological systems of speech, language, and hearing and a basic understanding of the nature and treatment of communication disorders across the life span.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

SLHS 255: Hearing, Health and Society (3 units)

Description: This course introduces students to critical thinking in relation to hearing loss and quality of life issues associated with a disability across the life span.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

General Education: Tier 2 Individuals & Societies

Honors Course: Honors Contract

Honors Course: Honors Contract

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 261: Anatomy and Physiology of the Speech Mechanism (4 units)

Description: This course focuses on the basic anatomy and physiology of the respiratory, laryngeal, velopharyngeal, and pharyngeal/oral airway subsystems as they pertain to speech production for human communication.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$25

Course Components:	Laboratory	Required
	Lecture	Required

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Two courses from Tier One, Natural Sciences (Catalog numbers 170A, 170B, 170C).

Enrollment requirement: SLHS majors or minors. Sophomore, Junior, or Senior status only.

SLHS 263: World of Sound: Speech, Music and MP3s (3 units)

Description: An introduction to sound - its production, perception and use in speech, music and animal communications. The course is divided into basics of sound; music and speech production; the hearing system; and speech perception.

Grading basis: Regular Grades

Career: Undergraduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Fall

General Education: Tier 2 Natural Sciences

Honors Course: Honors Contract

Honors Course: Honors Contract

SLHS 267: Acoustics for the Speech and Hearing Sciences (3 units)

Description: This course will cover the basic principles of acoustics in speech and hearing.

Grading basis: Regular Grades

Career: Undergraduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Fall, Spring

Enrollment requirement: SLHS majors or minors. Sophomore, Junior, or Senior status only. MATH 111.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 270: Scientific Thinking in Speech and Hearing Sciences (3 units)

Description: The purpose of this course is to introduce the student to scientific reasoning and critical thinking skills in the speech and hearing sciences. The main goals are to teach basic skills for critically evaluating research and implementing an experiment.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

General Education: Tier 2 Natural Sciences

SLHS 299: Independent Study (1 - 6 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 340: Language Science (3 units)

Description: Core features of language are identified and integrated into a model of language that is applicable to language disorders and language development. Topics include: phonology, morphology, syntax, semantics, and pragmatics.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: SPH 350

Course typically offered:

Main Campus: Fall, Summer

Enrollment requirement: SLHS majors or minors. Sophomore, Junior, or Senior status only.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 341: Language Development (3 units)

Description: Introduction to theory and research on language development, with emphasis on word learning and grammatical development.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: LING 318, PSY 341, PSYC 318, SPH 341

Also offered as: LING 341

Course typically offered:

Main Campus: Fall, Spring

Recommendations and additional information: PSY 101 or PSY 150A1.

Home department: Linguistics

SLHS 362: Neurobiology of Communication (3 units)

Description: This course focuses on the role of the central nervous system in human communication. The study of brain anatomy and physiology is approached from the perspective of how neurological systems support speech, language, and hearing and how breakdowns in these systems disrupt aspects of communication.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$19

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Fall

Recommendations and additional information: Prerequisite: satisfaction of the Mid-Career Writing Assessment (MCWA) or the former upper-division writing proficiency requirement (UDWPE). Two courses from Tier One, Natural Sciences (Catalog numbers 170A, 170B, 170C).

Enrollment requirement: SLHS majors or minors. Sophomore, Junior, or Senior status only.

Writing Emphasis: Writing Emphasis Course

SLHS 367: Phonetics for Clinical Practice (3 units)

Description: This course overviews the scientific study of speech sounds with a focus on transcription of different types of speech, including adult and child speech, and typical and disordered speech. The focus of the class will be primarily on English (including its dialectal variants), but other languages will also be discussed.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Laboratory May Be Offered

Lecture	Required
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Course typically offered:

Main Campus: Spring

Enrollment requirement: SLHS majors or minors. Sophomore, Junior, or Senior status only.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 380: Hearing Science (4 units)

Description: This course introduces the scientific foundation for the sense of hearing, and is organized around lectures and laboratory-demonstrations that address (a) the anatomy and physiology of the ear and related structures, and (b) the basics about auditory perception.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$10

Course Components:	Laboratory	Required
	Lecture	Required

Course typically offered:

Main Campus: Spring, Summer

Recommendations and additional information: SPH 267 or SLHS 267.

Enrollment requirement: SLHS majors or minors. Sophomore, Junior, or Senior status only. SLHS 267.

SLHS 391: Preceptorship (1 - 3 units)

Description: Specialized work on an individual basis, consisting of instruction and practice in actual service in a department, program, or discipline. Teaching formats may include seminars, in-depth studies, laboratory work and patient study.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 2 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 392: Directed Research (1 - 6 units)

Description: Individual or small group research under the guidance of faculty.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated for a maximum of 12 units.

Course typically offered:

Main Campus: Fall, Spring, Summer

Student Engagement Activity: Discovery

Student Engagement Competency: Innovation and Creativity

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 399: Independent Study (1 - 3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Student Engagement Activity: Leadership

Student Engagement Competency: Innovation and Creativity

SLHS 399H: Honors Independent Study (1 - 3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Student must be active in the Honors College.

Honors Course: Honors Course

Honors Course: Honors Course

Student Engagement Activity: Leadership

Student Engagement Competency: Innovation and Creativity

SLHS 430: Cognitive Neuroscience of Language (3 units)

Description: The neural and cognitive underpinnings of language are examined from the perspective of cognitive neuroscience, integrating findings from patients with language deficits and experimental methods such as functional neuroimaging. Topics include syntax, lexical access, and reading.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: SPH 530

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 435: Bilingualism, Multiculturalism, and Nonmainstream Dialects (3 units)

Description: This course provides students with an overall understanding of child socialization practices and typical language development across cultural-linguistic groups and issues related to the assessment of and intervention with individuals from culturally and linguistically diverse populations. This course is required for the graduate Bilingual Certificate Program in Department of Speech, Language, and Hearing Sciences but is also open to undergraduate students. The focus of the course will be on least-biased speech and language assessment and treatment for individuals from culturally and linguistically diverse populations.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$13

Course Components: Lecture Required

Co-convened with: SLHS 535

Course typically offered:

Main Campus: Spring

Recommendations and additional information: SLHS 441.

SLHS 441: Language Acquisition (3 units)

Description: Principles and processes of first language acquisition described in relation to children's social and cognitive development; first language acquisition processes compared and contrasted to child and adult second language acquisition and language disorders.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: LING 441, PSY 441

Co-convened with: SLHS 541

Course typically offered:

Main Campus: Spring

Recommendations and additional information: SPH 340 or SLHS 340.

Enrollment requirement: SLHS 340. SLHS majors and minors. Senior status only.

SLHS 454: Audiologic Rehabilitation-Lifespan (3 units)

Description: An introduction to interventions aimed at minimizing the communication difficulties associated with hearing loss in people of all ages. Discussions and case studies will focus on how approaches are tailored to the needs of individuals and their families.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: SLHS 554

Course typically offered:

Main Campus: Fall

Recommendations and additional information: SPH 483R or SLHS 483R or equivalent.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 458: Clinical Studies: Speech-Language Pathology (1 - 3 units)

Description: Under supervision, students carry out prescribed clinical intervention programs. Students may participate in weekly meetings and clinical problem-solving.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$92

Course Components: Lecture Required

Repeatable: Course can be repeated for a maximum of 9 units.

Co-convened with: SLHS 558

Course typically offered:

Main Campus: Fall, Spring, Summer

Recommendations and additional information: Prerequisite or concurrent registration, SPH 341 or SLHS 341. Open to select senior majors and Speech-Language Pathology Assistant students only.

Student Engagement Activity: Professional Development

SLHS 459: Clinical Studies: Audiology (1 - 3 units)

Description: Under supervision, students assess hearing impairments, formulate objectives, and carry out remedial programs with emphasis on the application of research data and current technology to clinical treatment.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Repeatable: Course can be repeated for a maximum of 9 units.

Co-convened with: SLHS 559

Course typically offered:

Main Campus: Fall, Spring, Summer

Recommendations and additional information: Prerequisite or concurrent registration, SPH 483 or SLHS 483. Open to majors only.

Student Engagement Activity: Professional Development

SLHS 468: Speech Perception (3 units)

Description: This course will introduce scientific evidence for the perception of vowel and consonant sounds, classical and modern theories of speech perception, development (emergence) of speech, and the effect of disorders on the ability to perceive speech.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: LING 468, PSY 468

Co-convened with: SPH 568

Course typically offered:

Main Campus: Spring

Recommendations and additional information: LING 314 or equivalent.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 471: Speech Sound Disorders (3 units)

Description: This course covers the etiology, assessment, and treatment of phonological and articulation disorders in children.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: SLHS 571

Course typically offered:

Main Campus: Fall

Recommendations and additional information: SPH 367 or SLHS 367. Open to seniors only with a cumulative GPA of 3.2 or above.

SLHS 473: Communication Disorders II (3 units)

Description: The study of child disordered communicative processes. Consideration is given to signs and symptoms, etiology, clinical course, and developmental-academic-social impact. Principles of assessment and intervention are highlighted.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: SPH 371

Course typically offered:

Main Campus: Spring

Recommendations and additional information: SPH 477 or SLHS 477.

Enrollment requirement: SLHS majors or minors. Senior status only. SLHS 340 and SLHS 477

SLHS 477: Communication Disorders I (3 units)

Description: This course focuses on disorders affecting communication across the lifespan. Consideration is given to signs and symptoms, etiology, clinical course, and vocational-social impact of these disorders. Principles of assessment and intervention are highlighted.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Co-convened with: SPH 577

Course typically offered:

Main Campus: Fall

Enrollment requirement: SLHS 261 and SLHS 267. SLHS majors and minors. Senior status only.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 478: Speech Technology (3 units)

Description: Topics include speech synthesis, speech recognition, and other speech technologies. This course gives students background for a career in the speech technology industry.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Equivalent to: SPH 478

Also offered as: LING 478

Co-convened with: SLHS 578

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Coursework in phonetics (LING 314 or LING 515 or SPH 267 or SLHS 267) or a background in programming (such as a 100 or 200 level course from the Computer Science Department).

Home department: Linguistics

SLHS 483L: Laboratory in Principles of Audiology (1 unit)

Description: This laboratory provides hands-on experience in support of the content areas taught in SLHS 483R, Principles of Audiology. Concurrent enrollment is required.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Laboratory Required

Co-convened with: SLHS 583L

Course typically offered:

Main Campus: Fall, Summer

Recommendations and additional information: SLHS 267 and SLHS 380. Concurrent enrollment in SLHS 483R required.

Enrollment requirement: Concurrent enrollment in SLHS 483R.

SLHS 483R: Principles of Audiology (3 units)

Description: Basic principles and techniques of audiological testing, etiologies of hearing impairment, and intervention strategies.

Grading basis: Regular Grades

Career: Undergraduate

Flat Fee: \$46

Course Components: Lecture Required

Equivalent to: SPH 483

Co-convened with: SLHS 583R

Course typically offered:

Main Campus: Fall, Summer

Enrollment requirement: SLHS majors or minors. Sophomore, Junior, or Senior status only. SLHS 267 and SLHS 380. Concurrent enrollment in SLHS 483L.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 491: Preceptorship (1 - 3 units)

Description: Specialized work on an individual basis, consisting of instruction and practice in actual service in a department, program, or discipline. Teaching formats may include seminars, in-depth studies, laboratory work and patient study.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated for a maximum of 6 units.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 491H: Honors Preceptorship (1 - 3 units)

Description: Specialized work for University Honors students on an individual basis, consisting of instruction and practice in actual service in a department, program, or discipline. Teaching formats may include seminars, in-depth studies, laboratory work and patient study.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated for a maximum of 6 units.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Student must be active in the Honors College.

SLHS 492: Directed Research (1 - 6 units)

Description: Individual or small group research under the guidance of faculty.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated for a maximum of 12 units.

Course typically offered:

Main Campus: Fall, Spring, Summer

Student Engagement Activity: Discovery

Student Engagement Competency: Innovation and Creativity

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 495A: Current Problems in Speech, Language, and Hearing Sciences (1 unit)

Description: Scholarly presentations given by researchers, faculty, and distinguished colleagues which includes student presentation of thesis and dissertation projects.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Colloquium Required

Repeatable: Course can be repeated a maximum of 8 times.

Co-convened with: SLHS 595A

Course typically offered:

Main Campus: Fall, Spring

SLHS 496A: Advanced Clinical Observation, Analysis, and Writing (1 unit)

Description: The course focus will be to analyze and evaluate the professional practice of speech pathology and audiology in a systematic way through guided observations. Students will develop a professional writing style useful for clinical evaluation and treatment reports.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Seminar Required

Course typically offered:

Main Campus: Spring

Recommendations and additional information: SPH 477 or SLHS 477, SPH 483R or SLHS 483R, and at least a 3.2 GPA in the major.

SLHS 497: Workshop (1 - 6 units)

Description: The practical application of theoretical learning within a small group setting and involving an exchange of ideas and practical methods, skills, and principles.

Grading basis: Student Option ABCDE/PF

Career: Undergraduate

Course Components: Workshop Required

Repeatable: Course can be repeated a maximum of 6 times.

Co-convened with: SLHS 597

Course typically offered:

Main Campus: Fall, Spring, Summer

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 498: Senior Capstone (1 - 3 units)

Description: A culminating experience for majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. Senior standing required. Students can enroll in the course for a maximum of 2 semesters.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 2 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 498H: Honors Thesis (3 units)

Description: An honors thesis is required of all the students graduating with honors. Students typically enroll for this course as a two-semester sequence. The first semester the student performs research under the supervision of a faculty member; the second semester the student writes an honors thesis.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated for a maximum of 9 units.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Student must be active in the Honors College.

Honors Course: Honors Course

Honors Course: Honors Course

Writing Emphasis: Writing Emphasis Course

SLHS 499: Independent Study (1 - 5 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Student Engagement Activity: Leadership

Student Engagement Competency: Innovation and Creativity

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 499H: Honors Independent Study (1 - 3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Student must be active in the Honors College.

Honors Course: Honors Course

Honors Course: Honors Course

Student Engagement Activity: Leadership

Student Engagement Competency: Innovation and Creativity

SLHS 500: Introduction to Research Methods in Speech and Hearing Sciences (3 units)

Description: Study of measurement and research design and their application in research and professional practice.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 501: Professional Issues in Speech-Language Pathology and Audiology (1 unit)

Description: Professional practice issues including certification, licensure, supervision, quality control, ethics, federal and state legislation.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Recommendations and additional information: Open only to Master's and Audiology

Doctoral students in Speech, Language, and Hearing Sciences.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 502: Principles of Neuroanatomy (4 units)

Description: Cellular elements and recognized subsystems of the mammalian nervous system, with emphasis on general principles of neuroanatomical organization and their functional significance.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Also offered as: CMM 502, NRSC 502, PSIO 502, PSY 502

Course typically offered:

Main Campus: Spring

Home department: Psychology

Interdisciplinary Interest Area: NRSC - Neuroscience Grad Prog

Interdisciplinary Interest Area: SLHS - Speech Lang & Hearing

SLHS 503: Clinical Methods and Intervention of Speech and Language Disorders (3 units)

Description: This course is a required component of the SLPA certification program. It is designed to train students in evidence-based intervention techniques and therapeutic approaches for a variety of communication disorders.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Summer

SLHS 504: Professional Issues and Ethical Considerations for Speech-Language Pathology Assistants (1 unit)

Description: This course provides an opportunity to explore the general area of communication disorders, related specifically to speech-language pathology assisting.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Summer

SLHS 509: Pediatric Audiology Clinic Readiness (1 unit)

Description: The class will focus on knowledge and skills necessary to provide pediatric clinical services as a whole and to facilitate the integration of materials needed to interpret the test battery.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 510: Counseling in Communication Disorders (1 unit)

Description: This course is intended to prepare students in Speech, Language, and Hearing Sciences to manage interpersonal interactions with patients, families, referral sources and co-workers.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 511: Tool School (1 unit)

Description: This course is a methodology course for clinical practicum. Its purpose is to provide the student with the skills necessary for clinical application.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components:	Discussion	May Be Offered
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Lecture	Required
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Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 512: Evaluation Process in Speech-Language Pathology (3 units)

Description: This course is designed to introduce graduate students to evaluation principles, strategies, and tactics in speech-language pathology. The focus will be on the understanding of generic principles and practices rather than delineation of protocols for various disorders.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$30

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 530: Cognitive Neuroscience of Language (3 units)

Description: The neural and cognitive underpinnings of language are examined from the perspective of cognitive neuroscience, integrating findings from patients with language deficits and experimental methods such as functional neuroimaging. Topics include syntax, lexical access, and reading. Graduate-level requirements include gaining a more sophisticated understanding of the course material. Assessment is weighted differently with more length and weight on the final paper.

Grading basis: Regular Grades

Career: Graduate

Course Components:	Lecture	Required
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Co-convened with: SLHS 430

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 535: Bilingualism, Multiculturalism, and Nonmainstream Dialects (3 units)

Description: This course provides students with an overall understanding of child socialization practices and typical language development across cultural-linguistic groups and issues related to the assessment of and intervention with individuals from culturally and linguistically diverse populations. This course is required for the graduate Bilingual Certificate Program in Department of Speech, Language, and Hearing Sciences but is also open to undergraduate students. The focus of the course will be on least-biased speech and language assessment and treatment for individuals from culturally and linguistically diverse populations. Graduate-level requirements include a clinical experience with bilingual clients as a final course project.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$13

Course Components:	Lecture	Required
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Co-convened with: SLHS 435

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 541: Language Acquisition (3 units)

Description: Principles and processes of first language acquisition described in relation to children's social and cognitive development; first language acquisition processes compared and contrasted to child and adult second language acquisition and language disorders. Graduate-level requirements include a scholarly paper/project on a selected topic relevant to the course.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: LING 541, LING 551, PSY 541, SPH 551

Co-convened with: SLHS 441

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

Interdisciplinary Interest Area: PSY - Psychology

SLHS 543: Adult Language Disorders 2 (3 units)

Description: This is the second of a two-course sequence to provide the requisite knowledge about acquired impairments of language and cognition in adults to understand the nature of such disorders and the relevant evidence-based practices for assessment and treatment. This includes the study of aphasia, alexia, agraphia, dementia, traumatic brain injury, and the cognitive-communication disorders associated with right hemisphere damage.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 544: Adult Language Disorders 1 (3 units)

Description: This is the first of a two-course sequence to provide the requisite knowledge about acquired impairments of language and cognition in adults to understand the nature of such disorders and the relevant evidence-based practices for assessment and treatment. This includes the study of aphasia, alexia, agraphia, dementia, traumatic brain injury, and the cognitive-communication disorders associated with right hemisphere damage.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 552: Language Disorders in School Age Children (3 units)

Description: The nature and treatment of language disorders in children from grades K-12; relationships between language and learning disabilities; social skills, cognitive function; assessment and treatment strategies.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: SPEC 552

Course typically offered:

Main Campus: Spring

Recommendations and additional information: SPH 441 or SLHS 441, or SPH 541 or SLHS 541 or its equivalent.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 554: Audiologic Rehabilitation-Lifespan (3 units)

Description: An introduction to interventions aimed at minimizing the communication difficulties associated with hearing loss in people of all ages. Discussions and case studies will focus on how approaches are tailored to the needs of individuals and their families. Graduate-level requirements include a scholarly paper/project on a topic of interest to the student.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Co-convened with: SLHS 454

Course typically offered:

Main Campus: Fall

Recommendations and additional information: SPH 483R or SLHS 483R or equivalent.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 555: Developmental Language Disorders: Birth through Five (3 units)

Description: The nature of language disorders in early childhood clinical populations will be discussed. Principles of treatment are a focus, and this course includes discussions of clinical decision-making skills related to knowledge of the literature and professional issues.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Recommendations and additional information: SPH 341 or SLHS 341.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 557: Dysphagia (3 units)

Description: This course will cover normal anatomy and physiology of swallowing, disorders of swallowing, and assessment and treatment of dysphagia (swallowing disorders) in infants to adults.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 558: Clinical Studies: Speech-Language Pathology (1 - 3 units)

Description: Under supervision, students formulate objectives, carry out prescribed intervention programs, and conduct evaluation of children and adults. Students participate in weekly staffings and clinical problem-solving. Graduate-level requirements include independent planning of treatment programs, completion of clinical progress reports, and formulation of evaluation reports as needed. Clinical research designs are also considered.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$92

Course Components:	Lecture	Required
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Repeatable: Course can be repeated for a maximum of 9 units.

Co-convened with: SLHS 458

Course typically offered:

Main Campus: Fall, Spring, Summer

Recommendations and additional information: Prerequisite or concurrent registration, SPH 341 or SLHS 341. Open to select senior majors and Speech-Language Pathology Assistant students only.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 559: Clinical Studies: Audiology (1 - 3 units)

Description: Under supervision, students assess hearing impairments, formulate objectives, and carry out remedial programs with emphasis on the application of research data and current technology to clinical treatment. Graduate-level requirements include clinical progress or evaluation reports.

Grading basis: Pass/Fail

Career: Graduate

Course Components: Lecture Required

Repeatable: Course can be repeated for a maximum of 18 units.

Co-convened with: SLHS 459

Course typically offered:

Main Campus: Fall, Spring, Summer

Recommendations and additional information: Prerequisite or concurrent registration, SPH 589L or SLHS 589L, and SPH 589R or SLHS 589R. Open to majors only.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 562A: Anatomy and Physiology of Auditory and Vestibular Systems (3 units)

Description: Focuses on anatomy, physiology, and neurophysiology of the auditory and vestibular systems and current research in these areas.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 562B: Acoustics and Auditory Perception (3 units)

Description: This graduate-level course in psychoacoustics covers the scientific foundation of various aspects of auditory perception of simple and complex sounds, including the established methods for experimental investigations, the key empirical facts, and the contemporary neural and computational models for explaining the auditory perception by human listeners. The emphasis of this course is on the scientific thinking and principles that have propelled the study of auditory perceptual phenomena.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 565: Acoustics and Perception of Speech (3 units)

Description: This course will cover the basic principles of acoustics, with emphasis on speech and hearing science. The target audience is students majoring in Speech, Language, and Hearing Sciences. The course may also be of interest to students in Music, Linguistics, and Engineering. The mathematical demands will be at the level of college algebra. The first part of the course will address descriptions of sound, simple harmonic motion, pressure waves, decibels, complex waves, resonance, and sound transmission. The second part will focus on the acoustics of speech production, the relation of acoustics to articulation, speech intelligibility, and some speech analysis technology.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 566: Preclinical Speech Science (3 units)

Description: This course covers anatomy and physiology of the normal speech mechanism, speech acoustics and perception, and methods of measurement of speech production and speech.

Grading basis: Regular Grades

Career: Graduate

Course Components:	Discussion	Required
	Lecture	Required

Course typically offered:

Main Campus: Fall

SLHS 568: Speech Perception (3 units)

Description: This course will introduce scientific evidence for the perception of vowel and consonant sounds, classical and modern theories of speech perception, development (emergence) of speech, and the effect of disorders on the ability to perceive speech. Graduate-level requirements include more extensive reading.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: LING 568, PSY 568

Co-convened with: SLHS 468

Course typically offered:

Main Campus: Spring (odd years only)

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 571: Speech Sound Disorders (3 units)

Description: This course covers the etiology, assessment, and treatment of phonological and articulation disorders in children. Graduate students will also complete a research paper and present their findings to the class.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Co-convened with: SLHS 471

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 572: Speech Disorders I (3 units)

Description: This course covers normal and abnormal voice production and disfluency. Assessment and treatment of each will be discussed.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Recommendations and additional information: SPH 566 or SLHS 566.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 574: Speech Disorders II (3 units)

Description: Communication disorders associated with disfluency and cleft palate/and other craniofacial defects are covered. Speech assessment and treatments will be discussed.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Recommendations and additional information: SPH 566 or SLHS 566 or consent of the instructor.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 575: Neuromotor Speech Disorders (3 units)

Description: Nature, cause, evaluation, and management of neuromotor-based speech disorders in children and adults.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Recommendations and additional information: SPH 567 or SLHS 567.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 578: Speech Technology (3 units)

Description: Topics include speech synthesis, speech recognition, and other speech technologies. This course gives students background for a career in the speech technology industry. Graduate students will do extra readings, extra assignments, and have an extra presentation. Their final project must constitute original work in a speech technology.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: SPH 578

Also offered as: LING 578

Co-convened with: SLHS 478

Course typically offered:

Main Campus: Spring

Home department: Linguistics

SLHS 580: Topics in NeuroAudiology: Central Auditory Processing Disorders (3 units)

Description: This course provides comprehensive coverage of the auditory neuroscience and clinical science needed to diagnose central auditory processing disorders in children and adults.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 581A: Amplification I (3 units)

Description: This course covers the scientific principles and rationales underlying the hearing-aid applications. Including: HA components and system, electroacoustic evaluation, methods of prescribing hearing-aid gains to persons with specified hearing loss, and basic and advanced HA signal processing.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 581B: Advanced Topics in Audiologic Rehabilitation (3 units)

Description: Advanced topics in amplification, audiologic rehabilitation, and case management presented in an interactive, hands-on format to develop the critical thinking skills required of audiologists in the face of rapidly changing technology.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Recommendations and additional information: SPH 581A or SLHS 581A or equivalent.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 581C: Practical Issues in Amplification (1 unit)

Description: This discussion course covers practical techniques for the fitting hearing aids to individuals with hearing loss. Basic and advanced use and analysis of hearing aid signal processing are included.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$65

Course Components: Discussion Required

Course typically offered:

Main Campus: Spring

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 582A: Disorders of Hearing and Balance (3 units)

Description: This course will provide general information about the medical aspects of hearing impairment and to review the clinical implications of hearing disorders. Consideration of special auditory tests involved in the differential diagnosis of aural pathologies will be discussed.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 583L: Laboratory in Principles of Audiology (1 unit)

Description: This laboratory provides hands-on experience in support of the content areas taught in SLHS 483R/583R, Principles of Audiology. Concurrent enrollment is required.

Graduate-level requirements include additional readings and assignments.

Grading basis: Regular Grades

Career: Graduate

Course Components: Laboratory Required

Co-convened with: SLHS 483L

Course typically offered:

Main Campus: Fall, Summer

Recommendations and additional information: Concurrent enrollment in SLHS 583R required.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 583R: Principles of Audiology (3 units)

Description: Basic principles and techniques of audiological testing, etiologies of hearing impairment, and intervention strategies. Graduate-level requirements include a scholarly paper/project on a selected topic relevant to the course.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$46

Course Components: Lecture Required

Co-convened with: SLHS 483R

Course typically offered:

Main Campus: Fall, Summer

Recommendations and additional information: Graduate standing. Concurrent enrollment in SLHS 583L.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 584: Occupational and Community Audiology (1 unit)

Description: Hearing conservation in industry, schools, and the community; auditory and non-auditory effects of noise, noise assessment, control, and protective procedures.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 586: Pediatric Audiology (3 units)

Description: In this course students will study development and disorders of the auditory system; audiometric evaluation and differential diagnosis in infants and children; psychological, auditory, and educational aspects of audiologic (re) habilitation; benefits of hearing aids and implantable auditory prosthetics. Course includes laboratory exercises.

Grading basis: Regular Grades

Career: Graduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 587B: Laboratory for Amplification II (1 unit)

Description: This course provides practical information regarding hearing aid (HA) selection, assessment, fitting/programming and counseling, in support of SLHS 581B Amplification II.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$69

Course Components: Laboratory Required

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-**CC** represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 587G: Theory and Practice of Implantable Auditory Prostheses I (2 units)

Description: This course will provide a foundation of understanding regarding the scientific bases and audiological management of implantable hearing devices. This course will include the basic operation and history of cochlear implant technology, associated anatomy, medical and surgical aspects, current candidacy criteria and assessment, coding and programming strategies, and counseling considerations.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$58

Course Components: Discussion Required

Course typically offered:

Main Campus: Fall

SLHS 588A: Physiological Evaluation of the Auditory System (3 units)

Description: Didactic and practical instruction in physiological measures of the auditory system employed in clinical settings. Topics include: otoacoustic emissions, electrocochleography, and auditory evoked potentials from the brain stem.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$100

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 588B: Assessment and Rehabilitation of the Balance System (3 units)

Description: Didactic and practical instruction in physiological measures of the vestibular system explored in clinical settings. Topics include: electronystamography, oculomotor assessment, benign paroxysmal positional vertigo.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$100

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 588C: Electrophysiology of Auditory Perception and Cognition (3 units)

Description: The physiological bases of auditory evoked potentials recorded from cortex and their uses in hearing, speech, language and cognitive neuroscience research and clinical applications.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$100

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring (even years only)

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 588L: Lab for Physiologic Evaluation of the Auditory System (1 unit)

Description: This laboratory provides hands-on experience in support of the content areas taught in SLHS 588A.

Grading basis: Regular Grades

Career: Graduate

Course Components: Laboratory Required

Repeatable: Course can be repeated for a maximum of 4 units.

Course typically offered:

Main Campus: Fall

Recommendations and additional information: Concurrent registration, SLHS 588A.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 588Q: Lab for Assessment and Rehabilitation of the Balance System (1 unit)

Description: The theory and technique of vestibular assessment discussed in the lecture portion (588B) will be applied through student participation in hands on exercises as students learn how to perform Videonystagmography (VNG) and Electronystagmography (ENG) to assess vestibular function.

Grading basis: Regular Grades

Career: Graduate

Course Components: Laboratory Required

Course typically offered:

Main Campus: Spring

Recommendations and additional information: Concurrent enrollment with SLHS 588A required.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 589L: Laboratory in Advanced Audiologic Evaluation (1 unit)

Description: The purpose of this laboratory is to develop skills coincident with the knowledge areas presented in SLHS 589R, including administration and interpretation of the following procedures: Pure tone and speech audiometric testing by air and bone conduction, masking, immittance testing, reflectance and multi-frequency tympanometry. Additionally, students will learn the basics of audiometer calibration, including the physical and biological measures involved in the calibration process.

Grading basis: Regular Grades

Career: Graduate

Course Components: Laboratory Required

Course typically offered:

Main Campus: Fall

Recommendations and additional information: The course 589L is the laboratory section that accompanies the lecture portion of the course 589R. Concurrent registration is required.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 589R: Advanced Audiologic Evaluation (3 units)

Description: Principles and techniques of administering and interpreting the comprehensive audiologic evaluation. Some hands on exercises will be offered in class, however, most laboratory exercises relating the principles discussed in class will be part of SLHS 795A, which is taken concurrently with SLHS 589R.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$50

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 591: Preceptorship (1 - 3 units)

Description: Specialized work on an individual basis, consisting of instruction and practice in actual service in a department, program, or discipline. Teaching formats may include seminars, in-depth studies, laboratory work and patient study.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 3 times.

Course typically offered:

Main Campus: Fall, Spring

Field trip: None.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 595A: Current Problems in Speech, Language, and Hearing Sciences (1 unit)

Description: Scholarly presentations given by researchers, faculty, and distinguished colleagues which includes student presentation of thesis and dissertation projects.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Colloquium Required

Repeatable: Course can be repeated a maximum of 6 times.

Co-convened with: SLHS 495A

Course typically offered:

Main Campus: Fall, Spring

SLHS 596A: Advanced Clinical Observation, Analysis, & Writing (1 unit)

Description: The course focus will be to analyze and evaluate the professional practice of speech pathology and audiology in a systematic way through guided observations. Students will develop a professional writing style useful for clinical evaluation and treatment reports. Additional writing assignments will be required of graduate students.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Course typically offered:

Main Campus: Spring

SLHS 596B: Pharmacology for Audiologists (1 unit)

Description: The purpose of this course is to provide you with a clinically useful knowledge of 1) introductory concepts of pharmacology; 2) commonly used drugs and their effect on patient hearing, balance, emotional, physical and cognitive function; 3) current controversies and research on oto-protective pharmaceuticals; and 4) the cost/benefit ratio different methods for ototoxicity monitoring and audiologic management for those who are exposed to ototoxic medications. This course is reading and writing intensive.

Grading basis: Regular Grades

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated for a maximum of 1 units.

Course typically offered:

Main Campus: Fall, Spring, Summer

Field trip: None.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 596G: Theory and Practice of Implantable Auditory Prostheses II (2 units)

Description: This course uses didactic lecture, seminar discussion and problem-based learning to provide the student with depth and breadth of knowledge regarding the science of "electrical hearing" with an implanted neural stimulator. The course will emphasize theoretical knowledge and research findings in the areas of neurobiology of hearing and deafness, the biophysics and physiology of "electrical hearing", the psychophysics of electrical stimulation, speech processing, speech and music perception with cochlear implants, binaural hearing, bi-modal (acoustic and electrical) hearing and with cochlear, nerve, brainstem and mid-brain implants. Candidacy for implantation, prognosis with electrical hearing, and clinical outcomes from implantation will be discussed. Current technologies for bone-anchored and completely implantable hearing aids including candidacy and clinical outcomes. The emerging research on laser stimulation and vestibular implants will also be considered.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

SLHS 596J: Practice Management (2 units)

Description: This course will familiarize students with current private practice models; short and long term business plan design and general accounting. Students will also be exposed to contract negotiations, current health care policy, third party reimbursement, and marketing.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Course typically offered:

Main Campus: Fall (even years only)

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 596M: Tinnitus (1 unit)

Description: This course examines the causes and treatments of a common perceptual experience often associated with hearing loss. Causes, assessments and treatments are discussed. Effective counseling, referrals, and personality assessments are reviewed.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Repeatable: Course can be repeated for a maximum of 4 units.

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 597: Workshop (1 - 6 units)

Description: The practical application of theoretical learning within a small group setting and involving an exchange of ideas and practical methods, skills, and principles.

Grading basis: Regular Grades

Career: Graduate

Course Components: Workshop Required

Repeatable: Course can be repeated a maximum of 6 times.

Co-convened with: SLHS 497

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 599: Independent Study (1 - 5 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work. Graduate students doing independent work which cannot be classified as actual research will register for credit under course number 599, 699, or 799.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 649: Survival Skills and Ethics (3 units)

Description: This course is designed for graduate students and postdoctoral fellows. It provides information and experiences that will aid in successful "survival" during the graduate-student years and those following graduation. Topics include effective speaking and writing, grantspersonship, mentoring, teaching, career options, among others. Discussion of ethical issues and resources is integrated across topics.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Equivalent to: BIOC 649, PSIO 649

Course typically offered:

Main Campus: Spring

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 658: Advanced Clinical Studies: Speech-Language Pathology (1 - 3 units)

Description: With faculty consultation and supervision, students assume responsibility for all aspects of case management of children and adults. Exposure to clinical research methods and interdisciplinary staffing.

Grading basis: Regular Grades

Career: Graduate

Course Components: Lecture Required

Repeatable: Course can be repeated for a maximum of 9 units.

Course typically offered:

Main Campus: Fall, Spring, Summer

Recommendations and additional information: SPH 558 or SLHS 558. Open to majors only.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 659: Advanced Clinical Studies: Audiology (1 - 3 units)

Description: With faculty consultation and supervision, students assume responsibility for all aspects of case management of adults and children. Exposure to clinical research methods and interdisciplinary staffing.

Grading basis: Pass/Fail

Career: Graduate

Course Components: Lecture Required

Repeatable: Course can be repeated a maximum of 18 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Recommendations and additional information: Prerequisite or concurrent registration, SPH 589L or SLHS 589L, and SPH 589R or SLHS 589R. Open to majors only.

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 691: Preceptorship (1 - 3 units)

Description: Specialized work on an individual basis, consisting of instruction and practice in actual service in a department, program, or discipline. Teaching formats may include seminars, in-depth studies, laboratory work and patient study.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 696A: Topics in Speech, Language, and Hearing Sciences (1 - 3 units)

Description: This doctoral-level seminar will be offered on a variety of topics in speech, language, and hearing, as well as grant writing, to fulfill the PhD requirement for "Doctoral Readings." The topic in any particular semester will be determined by program needs and individual faculty offerings.

Grading basis: Regular Grades

Career: Graduate

Course Components: Seminar Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

Enrollment requirement: Not for Grad Non-Degree Seeking.

SLHS 699: Independent Study (1 - 4 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work. Graduate students doing independent work which cannot be classified as actual research will register for credit under course number 599, 699, or 799.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 795A: Clinical Issues in Audiology (1 - 3 units)

Description: This course is designed to measure student knowledge and skills in a format other than direct patient care. Through a paper and/or case presentations, audiology students will be exposed to a variety of audiologic disorders and findings.

Grading basis: Regular Grades

Career: Graduate

Flat Fee: \$36

Course Components: Colloquium Required

Repeatable: Course can be repeated for a maximum of 8 units.

Course typically offered:

Main Campus: Fall, Spring

Recommendations and additional information: Prerequisite or concurrent registration, SPH 559 or SLHS 559, or SPH 659 or SLHS 659.

Enrollment requirement: Not for Grad Non-Degree Seeking.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 799: Independent Study (1 - 3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work. Graduate students doing independent work which cannot be classified as actual research will register for credit under course number 599, 699, or 799.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 900: Research (1 - 3 units)

Description: Individual research, not related to thesis or dissertation preparation, by graduate students.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 910: Thesis (1 - 6 units)

Description: Research for the master's thesis (whether library research, laboratory or field observation or research, artistic creation, or thesis writing). Maximum total credit permitted varies with the major department.

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

SLHS 912: Audiology Doctoral Project (1 - 9 units)

Description: Students enrolled in the Au.D. program will complete an Audiology Doctoral Project. This doctoral level learning experience should further advance the student's knowledge or competency in a specialty area within audiology, add to the knowledge base of the field, or make a clinical/community impact.

Grading basis: Alternative Grading: S,P,E

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 10 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 920: Dissertation (1 - 9 units)

Description: Research for the doctoral dissertation (whether library research, laboratory or field observation or research, artistic creation, or dissertation writing).

Grading basis: Alternative Grading: S, P, F

Career: Graduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring, Summer

SLHS 921: Audiology Externship (1 - 14 units)

Description: The summative clinical experience in audiology. The course is designed and executed such that the student will move from a closely supervised clinician to an independent practitioner of audiology by the end of the experience.

Grading basis: Alternative Grading: S,P,E

Career: Graduate

Course Components: Laboratory Required

Repeatable: Course can be repeated a maximum of 5 times.

Course typically offered:

Main Campus: Fall, Winter, Summer

Recommendations and additional information: SPH 559 or SLHS 559, or SPH 659 or SLHS 659 or consent of instructor.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.