

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY (SLPA)

SLPA 850 Audiology for Educators of the Deaf or Hard of Hearing

Crosslisted with: SLPA 450

Description: Anatomy and physiology of hearing; components of adequate evaluation for placement and educational planning; diagnosis using audiogram, functional and communication assessment; stimulation and utilization of residual hearing; and management of assistive and/or augmentative devices.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 852 Normal Language Development During School Years

Crosslisted with: SLPA 452

Description: Normal syntactic, semantic, and pragmatic language development in school-age children and youth. Complex syntax, semantic development, pragmatic development, using language to learn, language-literacy relations, and abstract language development.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 854 Research Methodology in Speech-Language Pathology and Audiology

Crosslisted with: SLPA 454

Prerequisites: Speech-language pathology and audiology major.

Description: Introduction to research principles, methods, and design. Survey and critique of research in special education and communication disorders.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

Prerequisite for: SLPA 487

SLPA 861 Language Disorders: Preschool Level

Crosslisted with: SLPA 461

Prerequisites: Parallel SLPA 461L/861L.

Description: Characteristics of language impaired preschool children and the nature of their disorders. Introduction to principles of assessment and treatment.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 861L Language Disorders: Preschool Level Lab

Crosslisted with: SLPA 461L

Prerequisites: Parallel with SLPA 461/861.

Description: Practical application of language assessment and intervention in preschool children with language disorders.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LAB

SLPA 862A Language Disorders in Special Populations - Birth to Three: Communication Assessment & Intervention

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Format: LEC

SLPA 862E Language Disorders in Special Populations - Preadolescents and Adolescents

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Format: LEC

SLPA 862J Severe Disabilities and Autism: Communication Assessment and Intervention

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Format: LEC

SLPA 863 Language Disorders in Elementary School-aged Populations

Description: Advanced information about language disorders, assessment, and intervention in elementary school-aged children.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 863L Language Disorders in Elementary School-aged Population Lab

Prerequisites: Parallel enrollment in SLPA 863 required

Description: Practical application of language assessment and intervention in elementary school-aged children with language disorders.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LAB

SLPA 865 Voice Disorders

Prerequisites: SLPA 455

Description: Etiology and symptoms of voice disorders, procedures used in clinical evaluation, and methods and procedures used in therapy.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Format: LEC

Prerequisite for: SLPA 981

SLPA 870 Evidence-based Practice

Description: Identification and weighing of levels of evidence relating to clinical and research activities. Develop an understanding of evidence-based medicine and outcomes-based education.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Format: LEC

SLPA 873 Hearing and Balance II

Crosslisted with: SLPA 473

Prerequisites: SLPA 271

Description: Overview of the principles of audiologic assessment including diagnosing adults with hearing impairments, using physiologic and behavior test procedures. Performance of a basic audiological test batter (including case history, otoscopy, air/bone conduction, pure-tone audiometry, masking, acoustic immittance, and otoacoustic emission). Understand the background theory and interpretations of audiological tests and their implications for dizziness/imbalance.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 884 Deaf or Hard of Hearing: Speech & Language Issues

Crosslisted with: SPED 884

Prerequisites: SPED 876 or equivalent. Admission to Graduate Degree or Certificate program in Special Education or by permission of instructor.

Description: Theories of speech and language development, evaluation, and intervention programming for children who are deaf or hard of hearing.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 885 Fluency Disorders

Description: Research related to the nature, diagnosis and clinical management of stuttering is considered. Therapy models are presented along with data bearing on the efficacy of particular approaches. Specific rehabilitation procedures.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Format: LEC

SLPA 886 Augmentative Communication

Crosslisted with: SLPA 486

Description: Introduction to the augmentative communication options for persons unable to speak or write because of physical, language, or cognitive disability.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 888 Linguistic Needs of Bilingual and Culturally Different Students

Crosslisted with: SLPA 488

Prerequisites: SLPA 250 and 251

Description: Theoretical and applied information about situational factors which have an impact on spoken and written language; addresses how individual differences due to gender, handicapping conditions, socio-economic status, and cultural-ethnic background contribute to diversity in communication patterns and often act as a barrier to successful interactions in learning and social settings.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 891 Special Topics in Human Sciences

Crosslisted with: HUMS 891, NUTR 891, TEAC 891, TMFD 891, CYAF 891

Description: Aspects of human sciences not covered elsewhere in the curriculum.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 892 Counseling and Behavior Issues in Communication Disorders

Description: Basic skills in counseling and behavior management as applied to the field of communication disorders. Practical, direct application to students' clinical work with individuals with a variety of communication disorders

Credit Hours: 1-2

Min credits per semester: 1

Max credits per semester: 2

Max credits per degree: 3

Format: LEC

SLPA 893 Clinical Decision Making

Description: Critical thinking skills necessary for decision-making during the assessment and treatment of individuals with communication disorders. Understanding and applying clinical processes related to the practice of speech-language pathology.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: FLD

SLPA 896 Readings and Research in Speech-Language Pathology and Audiology

Crosslisted with: SLPA 496

Prerequisites: Permission.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Format: IND

SLPA 897A Advanced Practicum: Audiology

Description: Supervised practicum experiences provided with difficult speech, language and/or hearing problems in a variety of clinical, medical, geriatric, rehabilitational and public school settings.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 20

Format: FLD

SLPA 897B Advanced Practicum: Speech Language Pathology

Description: Supervised practicum experiences provided with difficult speech, language and/or hearing problems in a variety of clinical, medical, geriatric, rehabilitational and public school settings.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Format: FLD

SLPA 897C Advanced Practicum: Speech-Language Pathology Year 2

Description: Supervised practicum experiences provided with difficult speech, language and/or hearing problems in a variety of clinical, medical, geriatric, rehabilitational and public school settings.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 6

Format: FLD

SLPA 897E Advanced Practicum: Externship

Description: Supervised practicum experiences provided with difficult speech, language and/or hearing problems in a variety of clinical, medical, geriatric, rehabilitational and public school settings.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Format: FLD

SLPA 897G Advanced Practicum: Public Schools

Description: Supervised practicum experiences provided with difficult speech, language and/or hearing problems in a variety of clinical, medical, geriatric, rehabilitational and public school settings.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Format: FLD

SLPA 897T Advanced Practicum: Externship in Audiology

Description: Supervised practicum experiences provided with difficult speech, language and/or hearing problems in a variety of clinical, medical, geriatric, rehabilitational and public school settings.

Credit Hours: 1-6

Min credits per semester: 1

Max credits per semester: 6

Max credits per degree: 12

Format: FLD

SLPA 899 Masters Thesis

Prerequisites: Admission to masters degree program and permission of major adviser

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 99

Format: IND

SLPA 902 Clinical Assessment

Description: Introduction to the basic psychological and physiological clinical measures for assessment of hearing in adults. The course includes instruction and practice in understanding, presentations and laboratory practice are used to facilitate the classroom to clinic transition.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 908 Auditory Physiology and Pharmacology

Description: Lectures exploring the fundamental nature of the auditory system from the level of the outer ear to the cerebral cortex. Emphasis will be placed on studying the genetic, anatomical, neurochemical, pharmacological, and physiological bases for both normal and pathological auditory function.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Format: LEC

SLPA 912 Perception of Sound

Description: Psychoacoustic aspects of audition, including instrumentation, masking level differences, scaling, difference limen, loudness, critical bands and critical ratios, absolute threshold measurement, differential threshold measurement, temporal summation, and speech recognition.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Format: LEC

Offered: SPRING

SLPA 918 Auditory Assessment of Infants and Children

Prerequisites: SLPA 271 or equivalent

Description: Development of the auditory system in infants and young children. Techniques used in differential diagnosis, and screening of auditory disorders in the pediatric population.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 920 Auditory Electrophysiological Assessment

Description: This course focuses on current auditory electrophysiological assessment procedures, and includes theory, instrumentation, techniques and procedures. Test result interpretation is discussed in relation to underlying anatomy and physiology. Laboratory exercises are included.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

SLPA 924 Amplification I

Prerequisites: SLPA 271 or equivalent

Description: Design and operation of basic digital amplification systems. Discussion of advanced signal processing strategies used in current hearing aids. Instruction and laboratory practice in the electroacoustic analysis and real-ear probe microphone measurements of hearing aid systems and making earmold impressions. Introduction to earmold/plumbing acoustics.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Format: LEC

SLPA 926 Amplification II**Prerequisites:** SLPA 271 or equivalent**Description:** Evaluation, candidacy and selection of hearing aids for adults and children. Discussion of current and emerging prescriptive and fitting verification methods. Instruction and laboratory experience in verification of hearing aid fittings using real-ear probe microphone measurements along with administration of validation measures. The course will also address special hearing aid fittings and troubleshooting hearing aid problems.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Format:** LEC**SLPA 928 Hearing Conservation and Industrial Audiology****Description:** Theories and basic resources for participation in industrial, government, or community hearing conservation programs.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 930 Genetic Basis of Communication and Learning****Description:** Study of embryology and genetics related to communication and learning. Embryology of human development is discussed with specific emphasis on development of the brain, craniofacial, and inner ear structures. The genetic basis of normal development is examined, as well as disorders of hearing, balance, communication, and learning.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 932 Vestibular Assessment I****Description:** The first of a two-course series on the normal and pathophysiology of the human balance system and tools for its investigation and treatment. Normal anatomy and physiology of the balance and ocular motor systems, contrasted with a wide range of pathological conditions. Electro-nystagmography (video-nystagmography two- and three-dimensional recordings) and assessment of the otolith organs. Students will initiate and carry out directed laboratory assignments.**Credit Hours:** 4**Max credits per semester:** 4**Max credits per degree:** 4**Format:** LEC**SLPA 934 Vestibular Assessment II****Description:** The second of a two-course series on the normal and pathophysiology of the human balance system and tools for its investigation and treatment. Advanced techniques for patient assessment using rotational chair and posturography protocols. Techniques for full assessment in an office situation without extensive equipment. Options for treatment and management of this group of patients. Vestibular and balance rehabilitation therapy program development.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Format:** LEC**SLPA 936 Implantable Prosthetics****Description:** Design, operation, candidacy, assessment, surgical procedures, fitting, verification, and rehabilitation procedures related to implantable prosthetic devices for individuals who are deaf and hard of hearing. Cochlear implants, bone anchored hearing aids, implantable middle ear devices, and auditory brainstem implants.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Format:** LEC**SLPA 938 Business and Financial Management****Description:** An overview of principles and procedures as they relate to an audiology practice. Topics discussed include budgeting, pricing, billing, and coding, regulatory issues, and human resource management. Students are required to design an audiology practice and develop a business plan as part of this course.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 940 Aural Rehabilitation Across the Lifespan****Description:** This course provides students with a survey of approaches to aural rehabilitation for adults and children with hearing loss in various rehabilitative and habilitative settings. Principles of early intervention and family-centered practices are presented for infants and toddlers with hearing loss. Information and techniques for the development of auditory perception and spoken language skills for children with hearing loss. For adults information regarding psychosocial, emotional, and vocational consequences of hearing loss is presented. Speech perception training and communication effectiveness approaches for adults with hearing loss are viewed. Principles of auditory + visual communication are discussed.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Format:** LEC**SLPA 942 Seminar in Audiology****Description:** Research and clinical procedures; findings and implications in audiology and hearing science.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 966 Swallowing Disorders****Prerequisites:** Parallel registration with SLPA 966L**Description:** Swallowing disorders of children and adults. Procedures used in assessment, diagnosis, and intervention.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 966L Swallowing Disorders****Prerequisites:** Parallel registration with SLPA 966**Description:** Practical application of assessment, diagnosis, and treatment of swallowing disorders in children and adults.**Credit Hours:** 1**Max credits per semester:** 1**Max credits per degree:** 1**Format:** LAB

SLPA 968 Motor Speech Disorders**Prerequisites:** SLPA 853**Description:** Motor speech disorders resulting from neuropathology of the central and peripheral nervous systems as found in cerebral palsy, Parkinsonism, and other developmental and acquired neuromotor problems of children and adults.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**Prerequisite for:** SLPA 981**SLPA 981 Seminar in Speech Pathology****Prerequisites:** SLPA 851, 865, 967, and/or 968**Description:** Research procedures, findings and clinical implications.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 6**Format:** LEC**SLPA 985 Traumatic Brain Injury****Prerequisites:** SLPA 853**Description:** Assessment and treatment of child and adult cognitive and communication disorders resulting from traumatic brain injury.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 986 Right Hemisphere Dysfunction****Description:** Communication disorders resulting from stroke or other acquired nervous insult to the non-language dominant hemisphere of the brain. Cognitive and communication assessment, intervention issues pertaining to problems with orientation, visual perception, visual motor skills, abstract language and reasoning, and pragmatic behaviors.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 987 Aphasia in Adults****Prerequisites:** SLPA 853**Description:** Adult language disorders resulting from stroke or other acquired central nervous system insult. Includes historical/theoretical development of understanding, cerebral dominance for language, classifications, rationale for diagnostic and therapeutic management, prognostic factors, agnosias and apraxia.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Format:** LEC**SLPA 988 Dementia****Description:** Etiology, characteristics, assessment, and intervention pertaining to cognitive and communication disorders associated with various types and stages of dementia.**Credit Hours:** 1**Max credits per semester:** 1**Max credits per degree:** 1**Format:** LEC**SLPA 994 Doctoral Capstone****Description:** Selection of the topic for this project should take place no later than Fall of the second year by consultation with the project advisor. Enrollment in SLPA 994 is required during each semester that the project is underway. Students must receive prior permission from their advisor before registering for capstone hours. The capstone experience represents a major research project containing a significant treatment of some aspect of audiology.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 9**Format:** IND**SLPA 995 Doctoral Seminar****Prerequisites:** Permission**Description:** The course is intended primarily for doctoral students, although non-doctoral graduate students may be admitted with special permission of the instructor. Students are immersed in outcome-based scholarly activities with a faculty mentor. Working on either an individualized or small group basis, students develop, execute and report one or more projects addressing the interaction between research and practice.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 18**Format:** IND**SLPA 996 Research Problems Other Than Thesis****Prerequisites:** Permission**Credit Hours:** 1-9**Min credits per semester:** 1**Max credits per semester:** 9**Max credits per degree:** 9**Format:** IND**SLPA 999 Doctoral Dissertation****Prerequisites:** Admission to doctoral degree program and permission of supervisory committee chair**Credit Hours:** 1-24**Min credits per semester:** 1**Max credits per semester:** 24**Max credits per degree:** 99**Format:** IND