

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY (SLPA)

SLPA 805 Systematic Review

Crosslisted with: SPED 805

Prerequisites: Admission to a degree program in Special Education, Speech-Language Pathology or Audiology, Educational Studies or Human Sciences or other relevant major

Description: Introduction to research in special education and related paradigms in order to conduct and write a systematic literature review. Includes instruction in conducting database searches and finding relevant literature, methods for evaluating the quality of evidence for effectiveness, developing codebooks and training for reliability, and writing in APA style.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: SPRING

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

Grading Option: Grade Pass/No Pass Option

Experiential Learning: Case/Project-Based Learning

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

Grading Option: Grade Pass/No Pass Option

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

Grading Option: Grade Pass/No Pass Option

Prerequisite for: SLPA 487

Experiential Learning: Case/Project-Based Learning

SLPA 855 Neural Basis of Reading

Description: This graduate-level course and is designed to address reading development from birth to school-age and the neural basis of reading, as well as developmental dyslexia. Includes in-class discussion and case studies for learning how to evaluate the appropriateness of assessment/treatment plans in evaluating or treating children with reading difficulties, as well as evidence-based practice in reading intervention and learning on how to collect qualitative and quantitative data to monitor progress.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL

SLPA 856 Neuroimaging & Language Development

Description: Understanding the characteristics of various types of brain imaging techniques and their applications in the field of communication disorders. Aims to introduce six neuroimaging techniques, including functional Magnetic Resonance Imaging (fMRI), MRI, functional Near-Infrared spectroscopy (fNIRS), Magnetoencephalography (MEG), Electroencephalogram (EEG), and Diffusion-Weighted Imaging (DWI). Hands-on experience with brain imaging data and analyzation through interactive discussion and literature review.

Credit Hours: 2-3

Min credits per semester: 2

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL

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

Grading Option: Grade Pass/No Pass Option

Experiential Learning: Case/Project-Based Learning

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

Grading Option: Grade Pass/No Pass Option

Course and Laboratory Fee: \$5

Experiential Learning: Case/Project-Based Learning

SLPA 862 Cognition and Language in Adults

Prerequisites: SLPA 453 or equivalent

Description: Normal and impaired cognition and language in adults. Assessment and evidence-based management. Normal aging, aphasia, TBI, dementia, RHD, and developmental disabilities.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL

Prerequisite for: SLPA 897E; SLPA 982; SLPA 988

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

Grading Option: Grade Pass/No Pass Option

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

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Grade Pass/No Pass Option

SLPA 868 Language Disorders - ages 5 to 21

Description: Demonstrate critical thinking and application of knowledge about language disorders, literacy, and curriculum; address disorders and intervention across the age and ability span; integrate all aspects of language disorders including the relationship and interaction of language and literacy, service delivery options (MTSS), responsiveness to intervention (RTI), and the connection among language, literacy and curriculum; introduce functional communication assessment and intervention strategies for developmental language/communication disorders across the age and ability span; develop Interprofessional Practice (IPP) intervention approaches that take into account school, linguistic, and cultural considerations.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded

Prerequisite for: SLPA 897G

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

Grading Option: Graded

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

Grading Option: Graded

SLPA 874 Clinical Decision Making I

Description: Foundations of general service delivery principles for speech-language pathologists including selection of assessment and intervention techniques and instrumentation, data collection and documentation in a variety of settings for all ages and developmental levels. Introduction to basic skills in counseling and behavior management, as applied to the field of speech-language pathology.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

Offered: FALL

Prerequisite for: SLPA 875

SLPA 875 Clinical Decision Making II

Prerequisites: SLPA 874 or permission of instructor

Description: Application and analysis of case studies and clinical experience of service delivery, counseling, assessment/intervention techniques, data collection, documentation and behavior management in the field of speech-language pathology.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Grade Pass/No Pass Option

Offered: SUMMER

SLPA 877 Sensory Disabilities: Itinerant Teaching Methods

Crosslisted with: SPED 877

Description: Methods for providing services for students with sensory disabilities, using itinerant and consultative models. Professional and parent in-service development, team-based problem solving, curriculum based pull-out services.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: SUMMER

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

Crosslisted with: SPED 884

Prerequisites: Admission to Graduate Degree or Certificate Program in Special Education, Speech-Language Pathology, or Audiology

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

Grading Option: Grade Pass/No Pass Option

SLPA 886 Augmentative and Alternative Communication**Crosslisted with:** SLPA 486**Prerequisites:** Junior status**Description:** Introduction to the augmentative communication options for persons unable to speak or write because of physical, language, or cognitive disability.**Credit Hours:** 2-3**Min credits per semester:** 2**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Prerequisite for:** SLPA 897E**Experiential Learning:** Case/Project-Based Learning**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**Grading Option:** Grade Pass/No Pass Option**Experiential Learning:** Case/Project-Based Learning**SLPA 890 Special Topics****Prerequisites:** Admission to a degree program in Special Education, Speech-Language Pathology or Audiology, Educational Studies or Human Sciences or other relevant major.**Description:** An in-depth study of professionally-relevant topic(s).**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 12**Grading Option:** Grade Pass/No Pass Option**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**Grading Option:** Grade Pass/No Pass Option**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**Grading Option:** Grade Pass/No Pass Option**SLPA 894 Independent Study****Crosslisted with:** SLPA 494, SPED 494, SPED 894**Prerequisites:** Prior arrangements with faculty member and permission.**Description:** Individual or group projects that are extensions of course work, such as preparation of teaching materials, review of literature, observation/exploration of practices, design of curricular or clinical tools. Topic, scope and grading parameters are under guidance of a department faculty member, but topic can be student-initiated. These projects are generally relevant to the student's professional practice and advance the student's and possibly others' knowledge on a topic. Such projects may result in professional presentations.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 6**Grading Option:** Grade Pass/No Pass Option**Experiential Learning:** Research**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**Grading Option:** Grade Pass/No Pass Option**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**Grading Option:** Pass No-Pass**Course and Laboratory Fee:** \$60**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**Grading Option:** Pass No-Pass**Prerequisite for:** SLPA 897E; SLPA 897G**Course and Laboratory Fee:** \$100**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**Grading Option:** Pass No-Pass

SLPA 897E Advanced Practicum: Externship

Prerequisites: SLPA 486/886, SLPA 862, SLPA 897B, SLPA 966, and SLPA 967

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

Grading Option: Grade Pass/No Pass Option

SLPA 897G Advanced Practicum: Public Schools

Prerequisites: SLPA 864, SLPA 897B, and SLPA 967

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

Grading Option: Grade Pass/No Pass Option

Course and Laboratory Fee: \$20

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

Grading Option: Pass No-Pass

SLPA 898 Research Other than Thesis

Crosslisted with: SLPA 498

Description: Individual or group project designed to help students develop understandings, skills, and outlooks that would allow them to conduct original, independent research in the future. Topic of research may be related to the instructors current research projects or area of study or a topic of interest to the student for pilot work; approval of the topic/project is at the discretion of the instructor.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Grade Pass/No Pass Option

SLPA 899 Masters Thesis

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

Description: (no course description)

Credit Hours: 1-10

Min credits per semester: 1

Max credits per semester: 10

Max credits per degree: 99

Grading Option: Pass No-Pass

SLPA 901 Auditory Physiology & Assessment

Description: Introductory normal anatomy and pathophysiology of the human adult auditory system and tools for its assessment and treatment. Normal anatomy and physiology contrasted with range of adult pathological conditions. Professional aspects related to adult clinical practice.

Credit Hours: 1-9

Min credits per semester: 1

Max credits per semester: 9

Max credits per degree: 9

Grading Option: Graded

Prerequisite for: SLPA 903

SLPA 903 Auditory Perception & Amplification

Prerequisites: SLPA 901

Description: Continuation of normal anatomy and pathophysiology of the human adult auditory system, assessment, and professionalism. Emphasis on auditory perception, adult amplification, and research in audiology topics.

Credit Hours: 9

Max credits per semester: 9

Max credits per degree: 9

Grading Option: Graded

Prerequisite for: SLPA 905

SLPA 905 Intermediate Clinical Techniques

Prerequisites: SLPA 903

Description: Clinical directed experience in foundations of counseling for the adult patient with hearing loss and recognition of culture and diversity. Introductory skills on auditory brainstem response testing, cerumen management, and non-amplification treatment options.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Prerequisite for: SLPA 907

SLPA 907 Pediatrics & Electrophysiology

Prerequisites: SLPA 905

Description: Normal and abnormal anatomy and pathophysiology of the human pediatric auditory system, developmental factors, and tools for pediatric auditory assessment and treatment. Professional aspects related to pediatric clinical practice.

Credit Hours: 8

Max credits per semester: 8

Max credits per degree: 8

Grading Option: Graded

Prerequisite for: SLPA 909

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

Grading Option: Graded

SLPA 909 Implants & Vestibular Assessment**Prerequisites:** SLPA 907**Description:** Introduction to medical audiology including anatomy and pathophysiology of the human vestibular system and tools for its assessment, and theory and practice of cochlear implants across the lifespan. Continuation of professionalism as it relates to the medical otologic patient.**Credit Hours:** 7**Max credits per semester:** 7**Max credits per degree:** 7**Grading Option:** Graded**Prerequisite for:** SLPA 911**SLPA 911 Advanced Clinical Techniques****Prerequisites:** SLPA 909**Description:** Clinical directed experience in specialized topics of audiology including global hearing and public health, educational, and occupational hearing practice.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** SUMMER**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**Grading Option:** Graded**Offered:** SPRING**SLPA 913 Advanced Electrophysiology & Amplification****Description:** Advanced concepts in medical and non-medical audiology including amplification, electrophysiological measures, vestibular, and other implantable devices for hearing. Continuation of professionalism as it relates to the complex adult or pediatric patient.**Credit Hours:** 4**Max credits per semester:** 4**Max credits per degree:** 4**Grading Option:** Graded**Prerequisite for:** SLPA 915**SLPA 915 Hearing Conservation & Pharmacology****Prerequisites:** SLPA 913**Description:** Advanced topics in hearing conservation and pharmacology. Conclusion of professionalism in areas of ethics and audiology practice management.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**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**Grading Option:** Grade Pass/No Pass Option**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**Grading Option:** Graded**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**Grading Option:** Graded**Prerequisite for:** SLPA 926**SLPA 926 Amplification II****Prerequisites:** SLPA 924**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**Grading Option:** Graded**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**Grading Option:** Grade Pass/No Pass Option

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

Grading Option: Graded

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

Grading Option: Grade Pass/No Pass Option

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

Grading Option: Grade Pass/No Pass Option

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

Grading Option: Grade Pass/No Pass Option

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

Grading Option: Graded

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

Grading Option: Grade Pass/No Pass Option

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

Grading Option: Graded

Prerequisite for: SLPA 897E

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

Grading Option: Graded

Course and Laboratory Fee: \$10

SLPA 967 Motor Aspects of Verbal Communication

Prerequisites: SLPA 453; SLPA 455; or equivalents

Description: Examines speech, voice, resonance, and fluency disorders including acquired and developmental etiologies, symptoms, assessment, and evidence-based clinical management.

Credit Hours: 5

Max credits per semester: 5

Max credits per degree: 5

Grading Option: Graded

Offered: SPRING

Prerequisite for: SLPA 897E; SLPA 897G

SLPA 982 Acquired Brain Injury

Prerequisites: SLPA 453, SLPA 455, and SLPA 862

Description: Focus on cognitive-language, speech, and psychosocial issues related to acquired brain injury, specifically traumatic brain injury and right hemisphere stroke. Assessment, evidence-based treatment, and clinical management as it relates to the scope of practice for speech language pathologists is addressed.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Grade Pass/No Pass Option

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

Grading Option: Grade Pass/No Pass Option

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**Grading Option:** Grade Pass/No Pass Option**SLPA 988 Dementia****Prerequisites:** SLPA 862**Description:** Etiology, characteristics, assessment, and intervention pertaining to cognitive and communication disorders associated with various types and stages of dementia.**Credit Hours:** 2**Max credits per semester:** 2**Max credits per degree:** 2**Grading Option:** Graded**SLPA 990 Special Topics****Crosslisted with:** SPED 990**Prerequisites:** Admission to a degree program in Special Education, Speech-Language Pathology or Audiology, Educational Studies or Human Sciences or other relevant major.**Description:** An in-depth study of professionally-relevant topic(s).**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 12**Grading Option:** Grade Pass/No Pass Option**SLPA 992 Doctoral Seminar****Crosslisted with:** SPED 992**Prerequisites:** Admission to a doctoral degree program in Special Education or Speech-Language Pathology**Description:** Work with a graduate faculty member on a mutually-agreed upon outcome-based project of shared scholarly interest.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 12**Grading Option:** Grade Pass/No Pass Option**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**Grading Option:** Grade Pass/No Pass Option**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**Grading Option:** Grade Pass/No Pass Option**SLPA 998 Research Other than Thesis****Crosslisted with:** SPED 998**Description:** Individual or group project designed to help students develop understandings, skills, and outlooks that would allow them to conduct original, independent research in the future. Topic of research may be related to the instructor's current research projects or area of study or a topic of interest to the student for pilot work; approval of the topic/project is at the discretion of the instructor.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 9**Grading Option:** Grade Pass/No Pass Option**SLPA 999 Doctoral Dissertation****Prerequisites:** Admission to doctoral degree program and permission of supervisory committee chair**Description:** (no description)**Credit Hours:** 1-24**Min credits per semester:** 1**Max credits per semester:** 24**Max credits per degree:** 99**Grading Option:** Pass No-Pass