

SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

SPA 10002 INTRODUCTION TO COMMUNICATION DISORDERS AND DIFFERENCES 3 Credit Hours

An introduction to communication disorders and differences using a) case studies via film and video review and critique, b) lecture, and c) class discussions. Covers speech, language, swallowing and hearing disorders and cultural and linguistic differences in communication.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 14500 INTRODUCTION TO PSYCHOLINGUISTICS FOR COMMUNICATION SCIENCES AND DISORDERS 3 Credit Hours

Examines current theory and research specific to typical language – with a significant focus on the cognitive processes that inform our understanding of social, psychological and linguistic aspects of language use and understanding in the context of communication sciences and disorders.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 33101 HEARING AND SPEECH SCIENCE 3 Credit Hours

Acoustics, psychoacoustics, and acoustics of speech production and perception.

Prerequisite: Admittance into the SPA professional phase (minimum 3.000 overall GPA at 60 credits).

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 34102 APPLIED PHONETICS 3 Credit Hours

Basic principles of speech production and phonetic transcriptions of English with the international phonetic alphabet; emphasis on general American dialect.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 34103 ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING 3 Credit Hours

Functional anatomy and physiology of the respiratory, phonatory, articulatory, neural, and auditory systems as they are used with normal and abnormal speech and hearing.

Prerequisite: SPA 34104.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 34104 SPEECH AND LANGUAGE ACQUISITION 3 Credit Hours

Normal development and linguistic analysis of language systems including phonology, morphology, syntax, semantics, and pragmatics.

Pre/corequisite: SPA 34102.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 34106 ARTICULATORY AND PHONOLOGICAL DISORDERS 3 Credit Hours

Assessment and remediation of disorders of articulation and phonology.

Prerequisite: Admittance into the speech pathology and audiology professional phase (minimum 3.000 overall GPA at 60 credits); and SPA 34102 and SPA 34104.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 34107 LANGUAGE DISORDERS IN CHILDREN AND ADOLESCENTS 3 Credit Hours

Introduction to assessment and intervention procedures associated with language disorders in children and adolescents.

Prerequisite: SPA 34104.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 34210 SPEECH AND LANGUAGE DEVELOPMENT 3 Credit Hours

Normal development and linguistic analysis of language systems including phonology, morphology, syntax, semantics, and pragmatics. This course is for non-speech pathology and audiology majors.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 43402 AUDIOMETRY 3 Credit Hours

(Slashed with SPA 53402) Measurement of human hearing by pure-tone and speech audiometry; evaluation of middle ear function by immittance audiometry; screening techniques; pathologies of the conductive and sensorineural systems.

Prerequisite: Admittance into the speech pathology and audiology professional phase (minimum 3.000 overall GPA at 60 credits); and SPA 33101.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 43404 AURAL REHABILITATION 3 Credit Hours

Basic principles, variables and techniques for understanding, evaluating and improving receptive communication of hearing-impaired individuals.

Prerequisite: Admittance into the speech pathology and audiology professional phase (minimum 3.000 overall GPA at 60 credits); and SPA 33101 and SPA 34102 and SPA 43402.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 43405 CLINICAL PREPARATION IN AUDIOLOGY (ELR) 2 Credit Hours

Exercises and practical experiences in audiometric procedures, test interpretation, and Audiological diagnosis.

Prerequisite: Admittance into the speech pathology and audiology professional phase (minimum 3.000 overall GPA at 60 hours).

Corequisite: SPA 43402.

Schedule Type: Laboratory, Lecture, Combined Lecture and Lab

Contact Hours: 1 lecture, 2 lab

Grade Mode: Standard Letter

Attributes: Experiential Learning Requirement

SPA 44010 SOCIAL COMMUNICATION DEVELOPMENT AND DISORDERS IN AUTISM SPECTRUM DISORDERS 3 Credit Hours

Provides an understanding of the social, communication, and language needs of those with ASD from childhood through adulthood. Examines the cognitive, neurological, social, and environmental components influencing social, communicative functioning. Reviews contemporary assessment and intervention strategies. Explores the use of assistive technology to enhance social communicative functioning in those with ASD.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 44020 MEDICAL ASPECTS OF AUTISM SPECTRUM DISORDERS 3 Credit Hours

(Cross-listed with SPED 44020) Description of medical issues facing individuals with autism spectrum disorders (ASD) and their families. Examination of etiology, co-occurring disabilities and disorders, and treatment options in relation to individuals with ASD.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 44030 AUTISM SPECTRUM DISORDERS OVER THE LIFESPAN 3 Credit Hours

(Slashed with SPA 54030, SPA 74030 and SPED 54030) Provides students with a review of the significant aspects related to educational, social, vocational transitions for children, adolescents and young adults with autism spectrum disorders (ASD). Students learning skills necessary to evaluate and develop programs designed to meet the changing and long term needs of those with ASD.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 44089 VARIABLE TOPIC INTERNATIONAL EXPERIENCE IN SPEECH PATHOLOGY AND AUDIOLOGY (DIVG) (ELR) 1-4 Credit Hours

(Slashed with SPA 54089 and SPA 74089) A faculty-led study abroad experience that integrates traditional classroom learning with experiential activities and site visits outside the United States. International experience courses may have pre- and post-travel classroom study. Course activities may include, but are not limited to, classroom study, research, field work, internships and service learning.

Prerequisite: None.

Schedule Type: International Experience

Contact Hours: 1-4 other

Grade Mode: Standard Letter-IP

Attributes: Diversity Global, Experiential Learning Requirement

SPA 44096 INDEPENDENT STUDY: SPEECH PATHOLOGY AND AUDIOLOGY 1-6 Credit Hours

(Repeatable for credit) Readings and/or research on problems approved by chairman of department in consultation with student's adviser and project director.

Prerequisite: Speech pathology and audiology major and special approval.

Schedule Type: Individual Investigation

Contact Hours: 3-18 other

Grade Mode: Standard Letter-IP

SPA 44110 SPEECH SCIENCE 3 Credit Hours

Consideration of physiological and acoustic characteristics of normal speech production and perception with implications for speech and hearing disorders.

Prerequisite: Admittance into the speech pathology and audiology professional phase (minimum 3.000 overall GPA at 60 credits); and SPA 34102 and SPA 34106.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 44111 NEURAL PROCESSES 3 Credit Hours

(Slashed with SPA 54111) Anatomy and physiology of the nervous system underlying human neuromotor movements. Topics include: definition and fundamental concepts, afferent and efferent systems, cortical anatomy and function, cranial nerves, theories of brain function, and neural maturation and learning.

Prerequisite: None.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 44112 AGE-RELATED CHANGES IN COMMUNICATION 3 Credit Hours

Nonpathological age-related changes in speech, language and voice.

Topics include structural changes in orofacial, laryngeal and respiratory mechanism; sequelae for speech, language and voice in the elderly; effects of age on swallowing; facilitating conversational interactions with elderly individuals.

Prerequisite: Admittance into the speech pathology and audiology professional phase (minimum 3.000 overall GPA at 60 credits).

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 44130 COMMUNICATION DISORDERS OF THE AGING 2 Credit Hours

Hearing, speech and language disorders in geriatric population.

Symptoms, causes and treatment: normal changes in hearing, language and speech accompanying aging process.

Prerequisite: Senior standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 44310 CLINICAL PROCEDURES IN SPEECH PATHOLOGY 3 Credit Hours

This course addresses evaluation and intervention procedures in the field of speech-language pathology across the lifespan.

Prerequisite: Admittance into the admittance into the speech pathology and audiology professional phase (minimum 3.000 overall GPA at 60 credits) professional phase (minimum 3.000 overall GPA at 60 credits); and Senior standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 44311 CLINICAL PREPARATION IN SPEECH-LANGUAGE PATHOLOGY (ELR) (WIC) 2 Credit Hours

The course covers the essential professional written communication associated with evaluation and intervention methodology for individuals with communication disorders.

Prerequisite: Admittance into the speech pathology and audiology professional phase (3.000 overall GPA at 60 hours).

Corequisite: SPA 44310.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

Attributes: Experiential Learning Requirement, Writing Intensive Course

SPA 53402 AUDIOMETRY 3 Credit Hours

(Slashed with SPA 43402) Measurement of human hearing by puretone and speech audiometry# evaluation of middle ear function by immittance audiometry# screening techniques# pathologies of the conductive and sensorineural systems.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 53404 AURAL REHABILITATION 3 Credit Hours

Basic principles, variables and techniques for understanding, evaluating and improving receptive communication of hearing-impaired individuals.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 54010 SOCIAL COMMUNICATION DEVELOPMENT AND DISORDERS IN AUTISM SPECTRUM DISORDERS 3 Credit Hours

(Slashed with SPA 44010) Provides an understanding of the social, communication, and language needs of those with ASD from childhood through adulthood. Examines the cognitive, neurological, social and environmental components influencing social, communicative functioning. Reviews contemporary assessment and intervention strategies. Explores the use of assistive technology to enhance social communicative functioning in those with ASD.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 54030 AUTISM SPECTRUM DISORDERS OVER THE LIFESPAN 3 Credit Hours

(Cross-listed with SPED 54030) (Slashed with SPA 44030 and SPA 74030) Provides students with a review of the significant aspects related to educational, social, vocational transitions for children, adolescents and young adults with autism spectrum disorders (ASD). Students learn skills necessary to evaluate and develop programs designed to meet the changing and long term needs of individuals with ASD.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 54089 VARIABLE TOPIC INTERNATIONAL EXPERIENCE IN SPEECH PATHOLOGY AND AUDIOLOGY 1-4 Credit Hours

(Repeatable for credit) (Slashed with SPA 44089 and SPA 74089) A faculty-led study abroad experience that integrates traditional classroom learning with experiential activities and site visits outside the United States. International experience courses may have pre- and post-travel classroom study. Course activities may include, but are not limited to, classroom study, research, field work, internships and service learning.

Prerequisite: Graduate standing.

Schedule Type: International Experience

Contact Hours: 1-4 other

Grade Mode: Standard Letter-IP

SPA 54096 INDEPENDENT STUDY: SPEECH PATHOLOGY AND AUDIOLOGY 1-6 Credit Hours

(Repeatable for credit) Readings and/or research on problems approved by chair of department in consultation with student's adviser and project director.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Individual Investigation

Contact Hours: 3-18 other

Grade Mode: Standard Letter-IP

SPA 54110 SPEECH SCIENCE 3 Credit Hours

Consideration of physiological and acoustic characteristics of normal speech production and perception with implications for speech and hearing disorders.

Prerequisite: SPA 34102 and 34106; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 54111 NEURAL PROCESSES IN SPEECH AND LANGUAGE 3 Credit Hours

Anatomy and physiology of the nervous system underlying speech and language. Topics include: definition and fundamental concepts, afferent and efferent systems, cortical anatomy and function, cranial nerves, theories of brain function and neural maturation and learning.

Prerequisite: SPA 34103 or special approval of the instructor; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 54112 AGE-RELATED CHANGES IN COMMUNICATION 3 Credit Hours

Nonpathological age-related changes in speech, language and voice.

Topics include: structural changes in orofacial, laryngeal and respiratory mechanisms; sequelae for speech, language and voice in the elderly; effects of age on swallowing; facilitating conversational interactions with elderly individuals.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 54130 COMMUNICATION DISORDERS OF THE AGING 2 Credit Hours

Hearing, speech and language disorders in geriatric population.

Symptoms, causes and treatment: normal changes in hearing, language and speech accompanying aging process.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 54309 AUTISM SPECTRUM DISORDERS: THEORY AND DIAGNOSIS 3 Credit Hours

(Cross-listed with SPED 54309) (Slashed with SPED 44309 and SPA 74309) Provides an overview of autism spectrum disorders (ASD). Examines the history, characteristics, and prevalence of ASD. The different theoretical models for understanding ASD are explored as they relate to assessment and intervention.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 60708 CRITICAL ANALYSIS OF RESEARCH 2 Credit Hours

(Slashed with SPA 70708) Development of a reading knowledge of research and the ability to evaluate the quality of research studies.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 63691 SEMINAR IN AUDIOLOGY 3 Credit Hours

(Repeatable for a maximum of 12 credit hours) Research, readings and discussion in any of these areas: aural rehabilitation, amplification, psychoacoustics, auditory physiology, medical audiology, hearing conservation.

Prerequisite: Graduate standing.

Schedule Type: Seminar

Contact Hours: 3 other

Grade Mode: Standard Letter

SPA 64091 SEMINAR IN COMMUNICATION DISORDERS 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Special topics seminar for advanced students in speech-language pathology and audiology. Presentations and discussion of research projects are required.

Prerequisite: Graduate standing.

Schedule Type: Seminar

Contact Hours: 3 other

Grade Mode: Standard Letter-S/U-IP

SPA 64093 WORKSHOP IN COMMUNICATION DISORDERS 1-3 Credit Hours

(Repeatable for credit) Variable topic workshop offered when need arises, either on or off campus to update training in a particular area of speech pathology.

Prerequisite: Graduate standing.

Schedule Type: Workshop

Contact Hours: 1-3 other

Grade Mode: Satisfactory/Unsatisfactory

SPA 64096 INDIVIDUAL INVESTIGATION:SPEECH PATHOLOGY AND AUDIOLOGY 1-6 Credit Hours

(Repeatable for a maximum of 12 credit hours) Independent study of topics to be selected in consultation with graduate faculty.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Individual Investigation

Contact Hours: 1-6 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 64098 RESEARCH 1-15 Credit Hours

(Repeatable for credit) Research or individual investigation for master's level graduate students.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Research

Contact Hours: 1-15 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 64191 SEMINAR:NEUROGENIC COMMUNICATION DISORDERS 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Reading and discussion seminar on swallowing disorders and the communication disorders relating to aphasia, apraxia, dysarthria, closed head injury, right brain damage and dementia.

Prerequisite: SPA 64301; and graduate standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 64199 THESIS I 2-6 Credit Hours

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Masters Thesis

Contact Hours: 2-6 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 64291 SEMINAR:CHILD LANGUAGE 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Topics are selected for class investigation from the areas of child language development or disorders.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 64299 THESIS II 2 Credit Hours

Thesis students must continue registration each semester until all degree requirements are met.

Prerequisite: SPA 64199; and graduate standing; and special approval.

Schedule Type: Masters Thesis

Contact Hours: 2 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 64301 APHASIA 3 Credit Hours

Neuroanatomy, etiologies, symptomatologies, evaluation procedures and treatment techniques relating to aphasia in adults.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64302 LANGUAGE ASSESSMENT AND INTERVENTION IN EARLY CHILDHOOD 3 Credit Hours

Methods of language assessment and intervention for infants, toddlers and preschoolers who are either at risk or diagnosed as presenting language delays or disabilities.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64303 DISORDERS OF ARTICULATION AND PHONOLOGY 3 Credit Hours

Diagnosis and remediation of children's articulation and phonological disorders.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64304 ACQUIRED COGNITIVE COMMUNICATIVE IMPAIRMENTS 3 Credit Hours

Cognitive functions and etiologies, symptomologies, evaluation and treatment methods related to adults with cognitive communicative disorders subsequent to right hemisphere damage, traumatic brain injury, dementia and related impairments.

Prerequisite: Speech language pathology major; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64305 FLUENCY DISORDERS 3 Credit Hours

Nature, theories and their derived therapeutic approaches to the treatment of fluency disorders.

Prerequisite: Speech language pathology major; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64306 VOICE DISORDERS 2 Credit Hours

Normal aspects of voice production, etiology and symptomatology of voice disorders, diagnostic procedures and management techniques.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 64308 LANGUAGE ASSESSMENT AND INTERVENTION WITH SCHOOL-AGE POPULATIONS 3 Credit Hours

Theoretical background knowledge and practical assessment and intervention techniques for school-age children who demonstrate language disorders.

Prerequisite: SPA 34107; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64311 AUTISM SPECTRUM DISORDERS 2 Credit Hours

Provides an overview of the social, communication, and language needs of those with autism spectrum disorder. Reviews contemporary assessment and intervention strategies. This course is designed to prepare preservice speech language pathologists with foundational information about autism spectrum disorders.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 64312 MOTOR SPEECH DISORDERS IN CHILDREN AND ADULTS 3 Credit Hours

(Slashed with SPA 74312) Anatomic and physiologic bases of congenital and acquired motor speech disorders. Etiology, symptomatology, evaluation and treatment techniques related to variety of motor speech disorders in children and adults.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64354 PEDIATRIC MEDICAL ISSUES 2 Credit Hours

Nature and rehabilitative procedures for speech-language pathology practice with pediatric medical issues, including dysphagia, maxillofacial anomalies, and resonance disorders.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 64356 ADULT DYSPHAGIA 3 Credit Hours

(Slashed with SPA 74356) Anatomy, etiologies, symptomatology, evaluation procedures and treatment techniques relating to swallowing disorders in adults.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64391 SEMINAR:SEMINAR: ARTICULATION AND PHONOLOGY 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours)Critical review and application of systems and methods for assessment and remediation of articulation and phonological disorders.

Prerequisite: Graduate standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 64491 SEMINAR:ORGANIC SPEECH DISORDERS 1-3 Credit Hours

(Repeatable for credit)A revolving topics seminar on theoretical and/or clinical issues related to neurogenic/organic speech and/or language disorders.

Prerequisite: Graduate standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 64492 CLINICAL PRACTICE IN SPEECH PATHOLOGY AND AUDIOLOGY 1-12 Credit Hours

(Repeatable for credit) Supervised clinical practice with patients who have speech, hearing or language problems.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 1-12 other

Grade Mode: Standard Letter-IP

SPA 64500 NORMAL LANGUAGE PROCESSES 3 Credit Hours

Examines current theory and research specific to normal human development from birth to age 21. Significant neurological, cognitive, social, linguistic, emotional, literacy, and motor developmental changes are explored.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64501 SOCIAL COMMUNICATION ASPECTS OF AUTISM SPECTRUM DISORDER 3 Credit Hours

(Slashed with SPA 74501) Provides an understanding of the social, communication, and language needs of those with ASD from childhood through adulthood. Examines the cognitive, neurological, social, and environmental components influencing social, communicative functioning. Reviews contemporary assessment and intervention strategies. Explores use of assistive technology to enhance social communicative functioning in those with ASD.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64504 ADVANCED SPEECH AND VOICE SCIENCE 3 Credit Hours

Application of normal and disordered speech, swallowing, and voice production and perception; survey of literature; theories of production and perception.

Prerequisite: SPA 54110; and graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64525 PUBLIC SCHOOL TECHNIQUES IN COMMUNICATION DISORDERS:INQUIRY INTO PROFESSIONAL PRACTICE 3 Credit Hours

Inquiry into speech pathology and audiology as practiced in the school setting; emphasis on speech language pathologist or audiologist as disciplined investigator. Combination of themes including organizational procedures, therapy techniques, collaboration, ethics and research.

Prerequisite: Graduate standing; and special approval.

Corequisite: SPA 64592.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64591 SEMINAR:FLUENCY DISORDERS 1-3 Credit Hours

(Repeatable for a maximum 9 credit hours)Seminar dealing with the theoretical and applied aspects of fluency disorders in children and adults.

Prerequisite: Graduate standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 64592 STUDENT TEACHING IN SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY 8 Credit Hours

Inquiry into speech pathology and audiology as practiced in the school setting; emphasis on speech language pathologist or audiologist as disciplined investigator. Combination of themes including organization, procedures, therapy techniques, collaboration, ethics and research. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned "school/agency" before the first day of the semester in which student teaching/ internship will take place.

Prerequisite: Graduate standing; and special approval.

Corequisite: SPA 64525.

Schedule Type: Practical Experience

Contact Hours: 40 other

Grade Mode: Satisfactory/Unsatisfactory

SPA 64600 RESEARCH METHODS IN SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY 3 Credit Hours

Methodologies for collecting, analyzing and interpreting data for clinical and research purposes in speech language pathology and audiology.

Prerequisite: Graduate standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 64691 SEMINAR:VOICE DISORDERS 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Current literature review and discussions dealing with varying topics ranging from normal aspects of phonation in various populations to disorders of voice and their diagnosis and treatment.

Prerequisite: SPA 6/74306; and graduate standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 64791 SEMINAR:SPEECH SCIENCE 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours)Consideration of selected topics related to physiological, anatomical and acoustic aspects of speech production and perception.

Prerequisite: SPA 4/54110 and SPA 6/74504; graduate standing.

Schedule Type: Seminar

Contact Hours: 3 other

Grade Mode: Standard Letter-S/U-IP

SPA 64891 SEMINAR: COMMUNICATION MODALITIES AND ASSISTIVE TECHNOLOGY 2 Credit Hours

(Slashed with SPA 74891) (Repeatable for credit) Nature, etiologies and correlates of speech/language communication disorders and differences that may indicate a need for a multi-modal communication approach. Includes an emphasis on assistive technology for communication, language, learning and literacy.

Prerequisite: SPA 64302 and SPA 64500; and graduate standing.

Schedule Type: Seminar

Contact Hours: 2 other

Grade Mode: Standard Letter

SPA 64991 SEMINAR:CRITICAL TOPICS IN SPEECH LANGUAGE 1-3 Credit Hours

(Repeatable for credit) Principles and methods of assessment and intervention for various topics in speech-language pathology from critical thinking and case-study framework.

Prerequisite: Speech pathology and audiology major only; and graduate standing; and instructor special approval.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 65092 CLINICAL PRACTICUM I IN SPEECH LANGUAGE PATHOLOGY 2-3 Credit Hours

(Slashed with SPA 75092) (Repeatable twice for credit) Supervised, introductory clinical experience in assessment and intervention with populations within the Scope of Practice of speech language pathology per the current practice policy of the American Speech Language Hearing Association. To facilitate clinical competency and accrual of required clinical clock hours per current ASHA standards, students are expected to enroll in Clinical Practicum each semester that they are not enrolled in Externship or Student Teaching. A grade of B or better in this course is required for permission to register in SPA 65192.

Prerequisite: Graduate standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 65192 CLINICAL PRACTICUM II IN SPEECH AND LANGUAGE PATHOLOGY 2-3 Credit Hours

(Slashed with SPA 75192) (Repeatable twice for credit) This course includes additional supervised, hands on clinical experience with clients in on campus clinics. Student clinicians are provided with opportunities to demonstrate increased independence in clinical decision making and performance. Practicum requirements may include attendance at a weekly Clinical Colloquium. A grade of B or better in this course is required for registration in SPA 65292.

Prerequisite: SPA 65092 with a minimum C grade; and graduate standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 65292 CLINICAL PRACTICUM III IN SPEECH LANGUAGE PATHOLOGY 2-3 Credit Hours

(Slashed with SPA 75292) (Repeatable twice for credit) Includes additional supervised, hands on clinical experience with clients in on campus clinics and or off-campus, supervised clinical experience in sites such as schools or long term care facilities. Students clinicians are provided with opportunities to demonstrate levels of independence in clinical decision making and performance that reflect readiness for Externship or Student Teaching experiences. Practicum requirements may include attendance at a weekly Clinical Colloquium. A grade of B or better in this course is required for permission to register in the following courses: Clinical Practicum IV in Speech Language Pathology SPA 65392, Externship in Speech Language Pathology: Adult SPA 65492, Externship in Speech Language Pathology: Pediatric SPA 65592, Student Teaching in Speech Language Pathology SPA 64528.

Prerequisite: SPA 65192 with a minimum B grade; and graduate standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 65392 CLINICAL PRACTICUM IV IN SPEECH LANGUAGE PATHOLOGY 2-3 Credit Hours

(Slashed with SPA 75392) (Repeatable twice for credit) This supervised, hands on clinical experience with clients in on campus clinics or off campus sites is for second year graduate students who are not yet scheduled for externship or student teaching. Students clinicians are provided with opportunities to demonstrate levels of independence in clinical decision making and performance that are reflective of readiness for externship or student teaching experiences. A grade of B or better in this course is required for permission to register in the following courses: Externship in speech language pathology: adult SPA 65492, externship in speech language pathology: pediatric SPA 65592, student teaching in speech language pathology SPA 64528.

Prerequisite: SPA 65292 with a minimum B grade; and graduate standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 65492 EXTERNSHIP IN SPEECH LANGUAGE PATHOLOGY: ADULT 4-8 Credit Hours

(Slashed with SPA 75492) (Repeatable once for credit) Considered a culminating clinical experience. Includes supervised, hands-on clinical experience with patients in adult care settings such as hospitals, rehabilitation and long term care facilities.

Prerequisite: SPA 65292 or SPA 65392 with a minimum B grade; and graduate standing; and permission.

Schedule Type: Practical Experience

Contact Hours: 20-40 other

Grade Mode: Standard Letter-IP

SPA 65592 EXTERNSHIP IN SPEECH LANGUAGE PATHOLOGY: PEDIATRIC 4-8 Credit Hours

(Slashed with SPA 75592) (Repeatable once for credit) Considered a culminating clinical experience. Students may choose this course as an alternative to student teaching in speech-language pathology. Includes supervised, hands-on clinical experience with children and adolescents in pediatric care settings such as hospitals and other habilitation and rehabilitation facilities.

Prerequisite: SPA 65292 or SPA 65392 with a minimum B grade; and graduate standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 20-40 other

Grade Mode: Standard Letter-IP

SPA 70192 GRADUATE AUDIOLOGIST I 3 Credit Hours

Supervised clinical practicum in audiology which encompasses audiologic assessments and audiologic habilitation.

Prerequisite: SPA 70792; and doctoral standing.

Schedule Type: Practical Experience

Contact Hours: 9 other

Grade Mode: Standard Letter

SPA 70292 GRADUATE AUDIOLOGIST II 3 Credit Hours

Supervised clinical practicum in audiology requiring the independent performance of audiologic assessment procedures, audiologic rehabilitation and vestibular assessment and rehabilitation.

Prerequisite: SPA 70192; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 9 other

Grade Mode: Standard Letter

SPA 70392 GRADUATE AUDIOLOGIST III 6 Credit Hours

Supervised clinical practicum in audiology which encompasses the entire range of audiologic procedures including neurophysiological based procedures.

Prerequisite: Passing score of 600 or higher on the PRAXIS examination; and SPA 70292; and doctoral standing; and special approval.

Corequisite: SPA 70791.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Standard Letter

SPA 70492 GRADUATE AUDIOLOGIST IV 8 Credit Hours

Full-time clinical practicum in audiology at an off-campus site. Students taking the course must have successfully completed the Praxis Examination.

Prerequisite: SPA 70392; and doctoral standing.

Corequisite: SPA 70791.

Schedule Type: Practical Experience

Contact Hours: 24 other

Grade Mode: Standard Letter

SPA 70592 GRADUATE AUDIOLOGIST V 8 Credit Hours

Full-time external audiology clinical placement with a licensed and appropriately credentialed preceptor who provides clinical teaching. This experience provides a capstone learning experience in the full scope of practice in the profession of audiology.

Prerequisite: SPA 70492; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 24 other

Grade Mode: Standard Letter

SPA 70615 CENTRAL AUDITORY PROCESSING EVALUATION AND MANAGEMENT 2 Credit Hours

Study of audiologic evaluation and (re)habilitation procedures for people central auditory processing disorders.

Prerequisite: SPA 70705 and SPA 70706; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 70616 HEARING AID FITTING AND SELECTION ACROSS THE LIFESPAN 4 Credit Hours

Examination of the theory and practice of fitting hearing aids across the lifespan. Emphasis on special clinical procedures, research needs and evolving technology in hearing instruments.

Prerequisite: Admission to the audiology major; and SPA 70713; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 4 lecture

Grade Mode: Standard Letter

SPA 70618 IMPLANTABLE TECHNOLOGY 4 Credit Hours

Study of implantable devices in children and adults including equipment, candidacy, programming, fitting, and troubleshooting.

Prerequisite: Admission to the audiology major; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 4 lecture

Grade Mode: Standard Letter

SPA 70627 MULTICULTURAL ISSUES IN AUDIOLOGY 2 Credit Hours

An introduction to varying cultures and the audiologist's roles and responsibilities in planning treatment with a member of these cultures.

Prerequisite: Admission to the audiology major; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 70630 PRACTICE MANAGEMENT IN AUDIOLOGY 3 Credit Hours

Study of issues which impact the management of audiological practices, including establishing a private practice, reimbursement, marketing, record keeping and professional liability.

Prerequisite: Admission to the audiology major; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70691 SEMINAR IN AUDIOLOGY 2 Credit Hours

(Repeatable for credit) Selected current topics in audiology with emphasis on review of current literature.

Prerequisite: Admission to the AUD program or special approval of the instructor; and doctoral standing.

Schedule Type: Seminar

Contact Hours: 2 other

Grade Mode: Standard Letter

SPA 70692 INTERNSHIP IN AUDIOLOGY 2 Credit Hours

(Repeatable for credit) Supervised practicum in audiology requiring the independent performance of basic audiologic procedures, including hearing aid management.

Prerequisite: SPA 70744; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Standard Letter

SPA 70701 BASIC AND APPLIED PHYSICAL ACOUSTICS FOR AUDIOLOGY 4 Credit Hours

Study of physical acoustics, basic electricity and electronics, as well as principles, methodology, calibration and maintenance of audiologic equipment.

Prerequisite: Admission to the AUD program or special approval of instructor; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 4 lecture

Grade Mode: Standard Letter

SPA 70702 ANATOMY AND PHYSIOLOGY OF PERIPHERAL AUDITORY AND VESTIBULAR SYSTEMS 4 Credit Hours

A study of the anatomy, biophysics and physiology of the auditory and vestibular systems.

Prerequisite: Admission to the Audiology program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 4 lecture

Grade Mode: Standard Letter

SPA 70703 SPEECH ACOUSTICS AND SPEECH PERCEPTION 2 Credit Hours

Study of the nomenclature, acoustics, measurement, and perception of speech sounds and their impact and interpretation in audiology.

Prerequisite: Admission to the audiology program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 70704 CRITICAL ANALYSIS OF RESEARCH IN AUDIOLOGY 2 Credit Hours

General introduction to the research process with an emphasis on acquiring a reading knowledge of research and an ability to evaluate research.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 70705 AUDITORY DISORDERS 2 Credit Hours

Study of conditions/diseases that can affect the auditory system.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 70706 ANATOMY AND PHYSIOLOGY UNDERLYING NEURO-OTOLOGY 4 Credit Hours

An in-depth study of the anatomy and physiology of the central auditory and vestibular nervous system (includes 1 hour lab.)

Prerequisite: SPA 70702; and doctoral standing.

Schedule Type: Combined Lecture and Lab

Contact Hours: 4 other

Grade Mode: Standard Letter

SPA 70707 PSYCHOACOUSTICS 3 Credit Hours

Study of the principles, procedures and research of psychoacoustics; the relationships between the physical dimensions of auditory stimuli and the resultant perceptual experience with normal and impaired hearing.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70708 CRITICAL ANALYSIS OF RESEARCH 2 Credit Hours

Development of a reading knowledge of research and the ability to evaluate the quality of research studies.

Prerequisite: SPA 70704; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 70709 AUDIOLOGIC ASSESSMENT 3 Credit Hours

Theoretical basis for tests underlying basic audiologic assessments.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70710 INDUSTRY AND COMMUNITY NOISE 3 Credit Hours

Theoretical principles of noise measurement; etiology of noise-induced hearing loss and acoustic trauma; industrial hearing conservation programs; occupational safety and health act; community and recreational noise evaluation and management.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70712 DIAGNOSIS OF AUDITORY DISORDERS 3 Credit Hours

Underlying theory and principles of administration and interpretation of site-of-lesion tests.

Prerequisite: SPA 70709; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70713 HEARING AID TECHNOLOGY 4 Credit Hours

Study of amplification systems for the hearing impaired.

Prerequisite: SPA 70701; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 4 lecture

Grade Mode: Standard Letter

SPA 70714 GERONTOLOGICAL ISSUES IN AUDIOLOGY 3 Credit Hours

Physiological, psychological and sociological theories of aging with a focus on the etiology, symptomatology, assessment and rehabilitation of older adults with hearing impairments.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70717 PEDIATRIC AUDIOLOGY 3 Credit Hours

Study of audiologic diagnostic and auditory habilitative protocols for the birth to 3 population. Both assessment and management strategies will be emphasized.

Prerequisite: SPA 70709; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70719 COUNSELING IN AUDIOLOGY 3 Credit Hours

Focus on interviewing, counseling and interacting with individuals with hearing impairments their families and significant others.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70721 EVALUATION AND MANAGEMENT OF BALANCE DISORDERS 3 Credit Hours

Study of the balance mechanism; differential diagnostic assessment of balance disorders including electronystagmography, posturography and rotational testing; rehabilitation of the balance disordered patient (1 hour lab included.)

Prerequisite: Admission to the AUD program or special approval of instructor; and doctoral standing.

Schedule Type: Combined Lecture and Lab

Contact Hours: 3 other

Grade Mode: Standard Letter

SPA 70725 MEDICAL MANAGEMENT OF AUDITORY DISORDERS 2 Credit Hours

A study of the multidisciplinary approach to medical/surgical management of patients with auditory and vestibular disorders.

Prerequisite: SPA 70712; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 70726 ELECTROPHYSIOLOGICAL TECHNIQUES IN AUDIOLOGY
3 Credit Hours

Study of evoked responses used in diagnostic audiology, including ABR, MLR, ECHOCHG, ENOG, ALR, P300, VER, and SSER.

Prerequisite: SPA 70706; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 70732 AUDIOLOGIC TREATMENT ACROSS THE LIFESPAN 4
Credit Hours

Study of current methodologies employed in the audiologic treatment of people with hearing loss across the lifespan. Implementation of remedial strategies is emphasized.

Prerequisite: Admission to the audiology major; and SPA 70616; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 4 lecture

Grade Mode: Standard Letter

SPA 70733 ADVANCED ELECTROPHYSIOLOGIC AND VESTIBULAR MEASURES 4 **Credit Hours**

Advanced considerations in balance function assessment and management and in the study of evoked responses used in diagnostic audiology.

Prerequisite: Admission into the audiology program; and SPA 70726 and SPA 70721; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 4 lecture

Grade Mode: Standard Letter

SPA 70734 PRINCIPLES IN PRECEPTING 1 **Credit Hour**

Examination of the concepts and practices essential to the preceptor role. Emphasis on professional standards, adult learning theories, communication styles, ethical principles, and the multiple roles of a preceptor (educator, role model, mentor, facilitator and evaluator).

Prerequisite: Admission into the audiology major; and SPA 70748; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

SPA 70753 LABORATORY FOR ELECTROPHYSIOLOGICAL TECHNIQUES IN AUDIOLOGY 1 **Credit Hour**

Laboratory exercises for the assessment of auditory disorders including electrocochleography, the auditory brainstem response and auditory steady state responses.

Prerequisite: Audiology major; and doctoral standing.

Corequisite: SPA 70726.

Schedule Type: Laboratory

Contact Hours: 3 lab

Grade Mode: Standard Letter

SPA 70754 LABORATORY FOR EVALUATION AND MANAGEMENT OF BALANCE DISORDERS 1 **Credit Hour**

Laboratory exercises for the assessment of balance disorders including videonystagmography, posturography and informal evaluations; approaches for the rehabilitation and treatment of the balance disordered patient.

Prerequisite: Audiology major; and doctoral standing.

Corequisite: SPA 70721.

Schedule Type: Laboratory

Contact Hours: 3 lab

Grade Mode: Standard Letter

SPA 70755 LABORATORY FOR ADVANCED ELECTROPHYSIOLOGIC AND VESTIBULAR MEASURES 1 **Credit Hour**

Laboratory exercises for the assessment, management and treatment of auditory and vestibular disorders including early, middle and late auditory evoked potentials and advanced vestibular measures.

Prerequisite: Audiology major; and doctoral standing.

Corequisite: SPA 70733.

Schedule Type: Laboratory

Contact Hours: 3 lab

Grade Mode: Standard Letter

SPA 70791 FOURTH YEAR SEMINAR 1 **Credit Hour**

(Repeatable for credit) In-depth consideration of topics/issues in the practice of audiology with emphasis upon issues related to clinical rotation.

Prerequisite: Doctoral standing; and special approval.

Corequisite: SPA 70750 or SPA 70751.

Schedule Type: Seminar

Contact Hours: 1 other

Grade Mode: Standard Letter

SPA 70792 INTERNSHIP IN AUDIOLOGY 2 **Credit Hours**

(Repeatable for credit) Supervised clinical practicum in audiology requiring the independent performance of diagnostic, hearing aids and audiologic rehabilitation procedures. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned "school/agency" before the first day of the semester in which student teaching/internship will take place.

Prerequisite: SPA 70692; and doctoral standing.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Standard Letter

SPA 70798 RESEARCH PROJECT IN AUDIOLOGY 3 **Credit Hours**

(Repeatable for credit) Completion of a doctoral research project including data collection, analysis write-up and oral presentation.

Prerequisite: Admission to the AUD program; and doctoral standing.

Schedule Type: Research

Contact Hours: 3 other

Grade Mode: Standard Letter-IP

SPA 70892 INTERNSHIP III 2 **Credit Hours**

Clinical practicum in audiology during which students perform discrete tasks under supervision.

Prerequisite: Admission to the audiology major; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Standard Letter

SPA 70992 INTERNSHIP IV 2 **Credit Hours**

Clinical practicum in audiology during which students perform discrete tasks under supervision.

Prerequisite: Doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Standard Letter

SPA 73691 SEMINAR IN AUDIOLOGY 3 Credit Hours

(Repeatable for a maximum of 12 credit hours) Research, readings and discussion in any of these areas: aural rehabilitation, amplification, psychoacoustics, auditory physiology, medical audiology, hearing conservation.

Prerequisite: Doctoral standing.

Schedule Type: Seminar

Contact Hours: 3 other

Grade Mode: Standard Letter

SPA 74030 AUTISM SPECTRUM DISORDERS OVER THE LIFESPAN 3 Credit Hours

(Slashed with SPA 44030, SPA 54030 and SPED 54030) Provides students with a review of the significant aspects related to educational, social, vocational transitions for children, adolescents and young adults with autism spectrum disorders (ASD). Students learn skills necessary to evaluate and develop programs designed to meet the changing and long term needs of individuals with ASD.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74089 VARIABLE TOPIC INTERNATIONAL EXPERIENCE IN SPEECH PATHOLOGY AND AUDIOLOGY 1-4 Credit Hours

(Repeatable for credit) (Slashed with SPA 44089 and SPA 54089) A faculty-led study abroad experience that integrates traditional classroom learning with experiential activities and site visits outside the United States. International experience courses may have pre- and post-travel classroom study. Course activities may include, but are not limited to, classroom study, research, field work, internships and service learning.

Prerequisite: Doctoral standing.

Schedule Type: International Experience

Contact Hours: 1-4 other

Grade Mode: Standard Letter-IP

SPA 74093 WORKSHOP IN COMMUNICATION DISORDERS 1-3 Credit Hours

(Repeatable for credit) Variable topic workshop offered when need arises, either on or off campus to update training in a particular area of speech pathology.

Prerequisite: Doctoral standing.

Schedule Type: Workshop

Contact Hours: 1-3 other

Grade Mode: Satisfactory/Unsatisfactory

SPA 74191 SEMINAR:NEUROGENIC COMMUNICATION DISORDERS 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Reading and discussion seminar on swallowing disorders and the communication disorders relating to aphasia, apraxia, dysarthria, closed head injury, right brain damage and dementia.

Prerequisite: SPA 64301; and doctoral standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 74291 SEMINAR:CHILD LANGUAGE 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Topics are selected for class investigation from the areas of child language, development or disorders.

Prerequisite: Doctoral standing; and special approval.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 74301 APHASIA 3 Credit Hours

Neuroanatomy, etiologies, symptomatologies, evaluation procedures and treatment techniques relating to aphasia in adults.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74302 LANGUAGE ASSESSMENT AND INTERVENTION IN EARLY CHILDHOOD 3 Credit Hours

Methods of language assessment and intervention for infants, toddlers and preschoolers who are either at risk or diagnosed as presenting language delays or disabilities.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74303 DISORDERS OF ARTICULATION AND PHONOLOGY 3 Credit Hours

Diagnosis and remediation of children's articulation and phonological disorders.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74304 ACQUIRED COGNITIVE COMMUNICATIVE IMPAIRMENTS 3 Credit Hours

Cognitive functions and etiologies, symptomologies, evaluation and treatment methods related to adults with cognitive communicative disorders subsequent to right hemisphere damage, traumatic brain injury, dementia and related impairments.

Prerequisite: Speech language pathology major; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74305 FLUENCY DISORDERS 3 Credit Hours

Nature, theories and their derived approaches to the assessment and treatment of fluency disorders.

Prerequisite: Speech language pathology major; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74306 VOICE DISORDERS 2 Credit Hours

Normal aspects of voice production, etiology and symptomatology of voice disorders, diagnostic procedures and management techniques.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 74308 LANGUAGE ASSESSMENT AND INTERVENTION WITH SCHOOL-AGE POPULATIONS 3 Credit Hours

Theoretical background knowledge and practical assessment and intervention techniques for school-age children who demonstrate language disorders.

Prerequisite: SPA 34107; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74309 AUTISM SPECTRUM DISORDERS: THEORY AND DIAGNOSIS 3 Credit Hours

(Slashed with SPA 54309, SPED 44309 and SPED 54309) Provides an overview of Autism Spectrum Disorders (ASD). Examines the history, characteristics and prevalence of ASD. Assessment and intervention models are explored as they relate to various theoretical models for understanding ASD.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74312 MOTOR SPEECH DISORDERS IN CHILDREN AND ADULTS 3 Credit Hours

(Slashed with SPA 64312) Anatomic and physiologic bases of congenital and acquired motor speech disorders. Etiology, symptomatology, evaluation and treatment techniques related to variety of motor speech disorders in children and adults.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74354 PEDIATRIC MEDICAL ISSUES 2 Credit Hours

Nature and rehabilitative procedures for speech-language pathology practice with pediatric medical issues, including dysphagia and maxillofacial anomalies and resonance disorders.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 2 lecture

Grade Mode: Standard Letter

SPA 74356 ADULT DYSPHAGIA 3 Credit Hours

Anatomy, etiologies, symptomatology, evaluation procedures and treatment techniques relating to swallowing disorders in adults.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74391 SEMINAR:ARTICULATION AND PHONOLOGY 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours)Critical review and application of systems and methods for assessment and remediation of articulation and phonological disorders.

Prerequisite: Doctoral standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 74491 SEMINAR:ORGANIC SPEECH DISORDERS 1-3 Credit Hours

(Repeatable for credit)A revolving topics seminar on theoretical and/or clinical issues related to neurogenic/organic speech and/or language disorders.

Prerequisite: Doctoral standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 74492 CLINICAL PRACTICE IN SPEECH PATHOLOGY AND AUDIOLOGY 1-12 Credit Hours

(Repeatable for credit) Supervised clinical practice with patients who have speech, hearing or language problems.

Prerequisite: Doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 1-12 other

Grade Mode: Standard Letter-IP

SPA 74500 NORMAL LANGUAGE PROCESSES 3 Credit Hours

Examines current theory and research specific to normal human development from birth to age 21. Significant neurological, cognitive, social, linguistic, emotional, literacy, and motor developmental changes are explored..

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74501 SOCIAL COMMUNICATION ASPECTS OF AUTISM SPECTRUM DISORDER 3 Credit Hours

Provides an understanding of the social, communication, and language needs of those with ASD from childhood through adulthood. Examines the cognitive, neurological, social, and environmental components influencing social, communicative functioning. Reviews contemporary assessment and intervention strategies. Explores use of assistive technology to enhance social communicative functioning in those with ASD.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74504 ADVANCED SPEECH AND VOICE SCIENCE 3 Credit Hours

Application of normal and disordered speech, swallowing, and voice production and perception; survey of literature; theories of production and perception.

Prerequisite: SPA 4/54110; and doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74591 SEMINAR:FLUENCY DISORDERS 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours)Seminar dealing with the theoretical and applied aspects of fluency disorders in children and adults.

Prerequisite: Doctoral standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 74592 CLERKSHIP I 1 Credit Hour

Introduction to clinical practicum in audiology. Directed observation of clinical practice including audiologic diagnosis and audiologic rehabilitation are required.

Prerequisite: Admission to the audiology major; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Satisfactory/Unsatisfactory

SPA 74600 RESEARCH METHODS IN SPEECH-LANGUAGE PATHOLOGY 3 Credit Hours

Methodologies for collecting, analyzing and interpreting data for clinical and research purposes in speech language pathology and audiology.

Prerequisite: Doctoral standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

SPA 74691 SEMINAR:VOICE DISORDERS 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Current literature review and discussions dealing with varying topics ranging from normal aspects of phonation in various populations to disorders of voice and their diagnosis and treatment.

Prerequisite: SPA 6/74306; and doctoral standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 74692 CLERKSHIP II 1 Credit Hour

Introduction to clinical practicum in audiology. Directed observation of clinical practice including audiologic diagnosis and audiologic rehabilitation are required.

Prerequisite: Admission to the audiology major; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 1 other

Grade Mode: Satisfactory/Unsatisfactory

SPA 74791 SEMINAR:SPEECH SCIENCE 1-3 Credit Hours

(Repeatable for a maximum of 9 credit hours) Consideration of selected topics related to physiological, anatomical and acoustic aspects of speech production and perception.

Prerequisite: SPA 4/54110 or SPA 6/74504; and doctoral standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 74891 SEMINAR: COMMUNICATION MODALITIES AND ASSISTIVE TECHNOLOGY 2 Credit Hours

(Slashed with SPA 64891) (Repeatable for credit) Nature, etiologies and correlates of speech language communication disorders and differences that may indicate a need for a multi-modal communication approach. Includes an emphasis on assistive technology for communication language, learning and literacy.

Prerequisite: Speech language pathology major; and doctoral standing.

Schedule Type: Seminar

Contact Hours: 2 other

Grade Mode: Standard Letter

SPA 74991 SEMINAR:CRITICAL TOPICS IN SPEECH LANGUAGE PATHOLOGY 1-3 Credit Hours

(Repeatable for credit) Principles and methods of assessment and intervention for various topics in speech-language pathology from critical thinking and case-study framework.

Prerequisite: Speech pathology and audiology major; and doctoral standing.

Schedule Type: Seminar

Contact Hours: 1-3 other

Grade Mode: Standard Letter-S/U-IP

SPA 75092 CLINICAL PRACTICUM I IN SPEECH LANGUAGE PATHOLOGY 2-3 Credit Hours

(Slashed with SPA 65092) (Repeatable twice for credit) Supervised, introductory clinical experience in assessment and intervention with populations within the scope of practice of speech language pathology per the current practice policy of the American Speech Language Hearing Association. To facilitate clinical competency and accrual of required clinical clock hours per current ASHA standards, students are expected to enroll in clinical practicum each semester that they are not enrolled in externship or student teaching. A grade of B or better in this course is required for permission to register in CLIN PR II SPE LANG PATH-SPA 65192.

Prerequisite: Doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 75192 CLINICAL PRACTICUM II IN SPEECH LANGUAGE PATHOLOGY 2-3 Credit Hours

(Slashed with SPA 65192) (Repeatable twice for credit) This course includes additional supervised hands on clinical experience with clients in on campus clinics. Student clinicians are provided with opportunities to demonstrate increased independence in clinical decision making and performance. Practicum requirements may include attendance at a weekly Clinical Colloquium. A grade of B or better in this course is required for permission to enroll in Clinical Practicum III in Speech Language Pathology SPA 75292.

Prerequisite: SPA 75092 with a minimum B grade; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 75292 CLINICAL PRACTICUM III IN SPEECH LANGUAGE PATHOLOGY 2-3 Credit Hours

(Slashed with SPA 65292) (Repeatable twice for credit) Includes additional supervised, hands-on clinical experience with clients in on campus clinics and or off campus, supervised clinical experience in sites such as schools or long-term care facilities. Students clinicians are provided with opportunities to demonstrate levels of independence in clinical decision-making and performance that reflect readiness for externship or student teaching experiences. Practicum requirements may include attendance at a weekly clinical colloquium. A grade of B or better in this course is required for permission to register in the following courses: clinical practicum IV in speech language pathology SPA 75392, externship in speech language pathology: adult SPA 75492, externship in speech language pathology: pediatric SPA 75592, student teaching in speech language pathology SPA 64528.

Prerequisite: SPA 75192 with a minimum B grade; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 75392 CLINICAL PRACTICUM IV IN SPEECH LANGUAGE PATHOLOGY 2-3 Credit Hours

(Repeatable for credit) This supervised, hands on clinical experience with clients in on campus clinics or off campus sites is for second year graduate students who are not yet scheduled for externship or student teaching. Students clinicians are provided with opportunities to demonstrate levels of independence in clinical decision making and performance that are reflective of readiness for externship or student teaching experiences. A grade of B or better in this course is required for permission to register in the following courses: externship in speech language pathology: adult SPA 75492, externship in speech language pathology: pediatric SPA 75592, student teaching in speech language pathology SPA 64528.

Prerequisite: SPA 75292 with a minimum B grade; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 8-12 other

Grade Mode: Standard Letter-IP

SPA 75492 EXTERNSHIP IN SPEECH LANGUAGE PATHOLOGY: ADULT 4-8 Credit Hours

(Cross-listed with SPA 65492) (Repeatable once for credit) Considered a culminating clinical experience. Includes supervised, hands on clinical experience with patients in adult care settings such as hospitals, rehabilitation and long term care facilities.

Prerequisite: SPA 75292 or SPA 75392 with a minimum B grade; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 20-40 other

Grade Mode: Standard Letter-IP

SPA 75592 EXTERNSHIP IN SPEECH LANGUAGE PATHOLOGY: PEDIATRIC 4-8 Credit Hours

(Slashed with SPA 65592) (Repeatable once for credit) Considered a culminating clinical experience. Students may choose this course as an alternative to Student Teaching in Speech Language Pathology. Includes supervised, hands on clinical experience with children and adolescents in pediatric care settings such as hospitals and other habilitation and rehabilitation facilities.

Prerequisite: SPA 75292 or SPA 75392 with a minimum B grade; and doctoral standing; and special approval.

Schedule Type: Practical Experience

Contact Hours: 20-40 other

Grade Mode: Standard Letter-IP

SPA 75792 INTERNSHIP I 1 Credit Hour

Clinical practicum in audiology during which students perform discrete tasks under supervision.

Prerequisite: Admission to the audiology major; and doctoral standing; and special approval.

Corequisite: SPA 70709.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Standard Letter

SPA 76792 INTERNSHIP II 1 Credit Hour

Supervised clinical practicum in audiology during which students will perform discrete clinical tasks while under supervision.

Prerequisite: Admission to the audiology major; and SPA 75792; and doctoral standing and special approval.

Schedule Type: Practical Experience

Contact Hours: 18 other

Grade Mode: Standard Letter

SPA 84091 SEMINAR IN COMMUNICATION DISORDERS 2 Credit Hours

(Repeatable for a maximum 9 credit hours) Special topics seminar for advanced students in speech-language pathology and audiology. Presentations and discussion of research projects are required.

Prerequisite: Doctoral standing.

Schedule Type: Seminar

Contact Hours: 2 other

Grade Mode: Standard Letter

SPA 84096 INDIVIDUAL INVESTIGATION-SPEECH PATHOLOGY AND AUDIOLOGY 1-3 Credit Hours

(Repeatable for credit) Independent study of topics to be selected in consultation with graduate faculty.

Prerequisite: Doctoral standing.

Schedule Type: Individual Investigation

Contact Hours: 3-9 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 84098 RESEARCH 1-15 Credit Hours

(Repeatable for credit) Research opportunities for doctoral students who have not yet passed their candidacy examination.

Prerequisite: Doctoral standing; and special approval.

Schedule Type: Research

Contact Hours: 1-15 other

Grade Mode: Standard Letter-S/U-IP

SPA 84199 DISSERTATION I 15 Credit Hours

(Repeatable for credit) Doctoral dissertation for which registration in at least two semesters is required, first of which will be semester in which dissertation work is begun and continuing until the completion of 30 hours.

Prerequisite: Doctoral standing; and special approval.

Schedule Type: Dissertation

Contact Hours: 15 other

Grade Mode: Satisfactory/Unsatisfactory-IP

SPA 84299 DISSERTATION II 15 Credit Hours

(Repeatable for credit) Continuing registration required of doctoral students who have completed the initial 30 hours of dissertation and continuing until all degree requirements are met.

Prerequisite: SPA 84199; and doctoral standing; and special approval.

Schedule Type: Dissertation

Contact Hours: 15 other

Grade Mode: Satisfactory/Unsatisfactory-IP