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 33101 HEARING SCIENCE 3 Credit Hours
Acoustics, psychoacoustics, bioacoustics, anatomy and physiology of the ear.
Prerequisite: admittance into the SPA Professional Phase (minimum 3.000 cumulative 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 3 Credit Hours
Functional anatomy and physiology of the respiratory, phonatory, articulatory and neural systems as they are used in speech production by talkers with normal and abnormal speech.
Prerequisite: admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
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.
Prerequisite: SPA 34102 or ENG 31001; and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 hours).
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 34105 PHONEMIC BASES OF SPEECH AND LANGUAGE 3 Credit Hours
Fundamental processes related to production and perception of spoken language, with parallels to writing and reading particular application to normal and hearing impaired children and adolescents. For nonmajors only.
Prerequisite: None.
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: SPA 34102 and SPA 34104; and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
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; and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
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-SPA majors.
Prerequisite: none.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 43402 AUDIOMETRY 3 Credit Hours
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: SPA 33101 with minimum C (2.000) grade and special approval; and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
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: SPA 33101 and 34102 and 43402 (Speech Pathology and Audiology majors) or 43600 (Education of Hearing Impaired majors); and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
SPA 43600 FUNDAMENTALS OF EDUCATIONAL AUDIOLOGY 3 Credit Hours
Auditory development and function/dysfunction; auditory assessment and family counseling; selection and fitting of personal and classroom amplification; care and maintenance of amplification systems; collaboration of professionals in audiology and education; communication approaches according to varying levels of hearing loss; classroom environments conducive to auditory and academic learning.
Prerequisite: Junior standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

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 44030 AUTISM SPECTRUM DISORDERS OVER THE LIFESPAN 3 Credit Hours
Provides students with a review of the significant aspects related to educational, social, vocational transitions for children, adolescents, and young adults with 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 44096 INDEPENDENT STUDY: SPEECH PATHOLOGY AND AUDIOLOGY 2-6 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: Senior standing and speech pathology and audiology (SPA) major and special approval.
Schedule Type: Individual Investigation
Contact Hours: 2-6 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: SPA 34102 and SPA 34106; and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 44111 NEURAL PROCESSES 3 Credit Hours
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: SPA 34103 or special approval of the instructor; and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
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 SPA Professional Phase (minimum 3,000 cumulative 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 3 Credit Hours
Examination of evaluative and therapeutic procedures used with communicatively-impaired children and adults.
Prerequisite: SPA 34103 or 34106; and admittance into the SPA Professional Phase (minimum 3.000 cumulative GPA at 60 credits).
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 44311 CLINICAL PREPARATION IN SPEECH-LANGUAGE PATHOLOGY (ELR) (WIC) 2 Credit Hours
Fundamental evaluation and management procedures of individuals with communication disorders, including supervised observation.
Prerequisite: admittance into the SPA Professional Phase (3.000 cumulative 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 54010 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: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 54096 INDEPENDENT STUDY: SPEECH PATHOLOGY AND AUDIOLOGY 2-6 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: Special approval and graduate standing.
Schedule Type: Individual Investigation
Contact Hours: 2-6 other
Grade Mode: Standard Letter-S/U-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. Graduate standing.
Prerequisite: SPA 34102 and 34106.
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. Graduate standing.
Prerequisite: SPA 34103 or special approval of the instructor.
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 541310 CLINICAL PROCEDURES 3 Credit Hours
An examination of evaluative and therapeutic procedures used with communicatively impaired children and adults.
Prerequisite: SPA 34103 or SPA 34106 and graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
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: Standard Letter-S/U-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. Graduate standing.
Prerequisite: SPA 64301.
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: Special approval and graduate standing.
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, symptomatologies, evaluation and treatment methods related to adults with cognitive communicative disorders subsequent to right hemisphere damage, traumatic brain injury, dementia and related impairments.
Prerequisite: Graduate standing and speech language pathology (SPA) major.
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 (SLP) 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 64307 DYSARTHRIA  1 Credit Hour
Neuro-anatomy, etiologies, symptomatologies, evaluation procedures and treatment techniques relating to dysarthria in adults.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 1 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. Graduate standing.
Prerequisite: SPA 34107.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
SPA 64309 AUTISM SPECTRUM DISORDERS: THEORY AND DIAGNOSIS 3 Credit Hours
(Cross-listed with SPA 74309 and SPED 64309) (Slashed with SPED 44309) 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 64310 AUTISM SPECTRUM DISORDERS: LIFESPAN INTERVENTIONS 3 Credit Hours
(Cross-listed with SPED 64310) (Slashed with SPA 74310) 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 study.
Schedule Type: Lecture
Contact Hours: 2 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 ASD. 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
(Cross-listed 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 MAXILLOFACIAL ANOMALIES 1-3 Credit Hours
Nature and rehabilitative procedures for individuals with congenital and acquired maxillofacial anomalies and resonance disorders.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 1-3 lecture
Grade Mode: Standard Letter

SPA 64355 PEDIATRIC AND ADULT DYSPHAGIA 4 Credit Hours
Anatomy, etiologies, symptomatologies, evaluation procedures and treatment techniques relating to swallowing disorders in adults and children.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 4 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: Standard Letter-S/U-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: Special approval and graduate standing.
Schedule Type: Practicum or Internship
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
(Cross-listed with SPA 74501) Provides an understanding of the social, communicative functioning in those with ASD. 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. Graduate standing.
Prerequisite: SPA 4/54110.
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: Special approval; and graduate standing.
Corequisite: SPA 64528.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 64528  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. L.I.C.E. Training must be presented to the campus office of clinical experience or designated faculty/staff at Regional campuses as prerequisite for student teaching.
Prerequisite: Special approval; and Official valid certification of Child Safety Training, approved Basic Life Support and A. E. I. C. E. Training.
Corequisite: SPA 64525.
Schedule Type: Practicum or Internship
Contact Hours: 40 other
Grade Mode: Satisfactory/Unsatisfactory

SPA 64591  SEMINAR:FLUENCY DISORDERS  1-3 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 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
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. Graduate standing.
Prerequisite: SPA 6/74306.
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. Graduate standing.
Prerequisite: SPA 4/54110 and SPA 6/74504.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U-IP

SPA 64891  SEMINAR:COMMUNICATION MODALITIES AND ASSISTIVE TECHNOLOGY  3 Credit Hours
(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 64500 and SPA 64302; and graduate standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U-IP

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: Instructor special approval and speech pathology and audiology (SPA) major only and graduate standing.
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
(Cross-listed 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: Practicum or Internship
Contact Hours: 8-12 other
Grade Mode: Standard Letter-IP

SPA 65192  CLINICAL PRACTICUM II IN SPEECH AND LANGUAGE PATHOLOGY  2-3 Credit Hours
(Cross-listed 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: graduate standing and special approval; and SPA 65092 with a minimum B grade.
Schedule Type: Practicum or Internship
Contact Hours: 8-12 other
Grade Mode: Standard Letter-IP
SPA 65292  CLINICAL PRACTICUM III IN SPEECH LANGUAGE PATHOLOGY  2-3 Credit Hours
(Cross-listed with SPA 75292) (Repeatable twice for credit) Includes additional supervised, hands-on clinical experience with clients in on campus clinics and 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: Pediatric SPA 65592, and Student Teaching in Speech Language Pathology SPA 64528.
Prerequisite: graduate standing and special approval; and SPA 65192 with B grade.
Schedule Type: Practicum or Internship
Contact Hours: 8-12 other
Grade Mode: Standard Letter-IP

SPA 65392  CLINICAL PRACTICUM IV IN SPEECH LANGUAGE PATHOLOGY  2-3 Credit Hours
(Cross-listed with SPA 75392) (Repeatable twice for credit) This supervised, hands-on clinical experience 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, and Student Teaching in Speech Language Pathology SPA 64528.
Prerequisite: graduate standing and special approval; and SPA 65292 with a minimum B grade.
Schedule Type: Practicum or Internship
Contact Hours: 8-12 other
Grade Mode: Standard Letter-IP

SPA 65492  EXTERNSHIP IN SPEECH LANGUAGE PATHOLOGY: ADULT  4-8 Credit Hours
(Cross-listed 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: graduate standing and permission; and SPA 65292 or SPA 65392 with a minimum B grade.
Schedule Type: Practicum or Internship
Contact Hours: 20-40 other
Grade Mode: Standard Letter-IP

SPA 65592  EXTERNSHIP IN SPEECH LANGUAGE PATHOLOGY: PEDIATRIC  4-8 Credit Hours
(Cross-listed 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: graduate standing and special approval; and SPA 65292 or SPA 65392 with a minimum B grade.
Schedule Type: Practicum or Internship
Contact Hours: 20-40 other
Grade Mode: Standard Letter-IP

SPA 70515  CENTRAL AUDITORY PROCESSING EVALUATION AND MANAGEMENT  2 Credit Hours
Study of audiologic evaluation and (re)habilitation procedures for people with 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 70516  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: SPA 70713; and admission to the audiology (AUD) major; and doctoral standing.
Schedule Type: Lecture
Contact Hours: 4 lecture
Grade Mode: Standard Letter

SPA 70518  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 (AUD) major; and doctoral standing.
Schedule Type: Lecture
Contact Hours: 4 lecture
Grade Mode: Standard Letter

SPA 70618  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 (AUD) major; and doctoral standing.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

SPA 70627  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 (AUD) 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. D. program or special approval of the instructor and doctoral standing.
Prerequisite: Admission to the AU.
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 audioligic procedures, including hearing aid management.
Prerequisite: SPA 70744 and special approval and doctoral standing.
Schedule Type: Practicum or Internship
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 audioligic equipment. D. program or special approval of instructor and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Lecture
Contact Hours: 4 lecture
Grade Mode: Standard Letter

SPA 70702 ANATOMY AND PHYSIOLOGY OF PERIPHERAL AUDITORY AND VESTIBULAR SYSTEMS 3 Credit Hours
A study of the anatomy, biophysics and physiology of the auditory and vestibular systems. D. program or special approval of instructor and doctoral standing.
Prerequisite: Admission to the Au.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 70703 ACOUSTIC PHONETICS 3 Credit Hours
Study of the acoustics, measurement and nomenclature of speech sounds and theoretical and acoustic bases of speech perception (includes 1 hour lab). D. program and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Combined Lecture and Lab
Contact Hours: 3 other
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. D. program and doctoral standing.
Prerequisite: Admission to the AU.
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. D. program and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

SPA 70706 ANATOMY AND PHYSIOLOGY UNDERLYING NEUROTOLOGY 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 PSYCHOCOACUSTICS 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. D. program and doctoral standing.
Prerequisite: Admission to the AU.
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 audioligic assessments. D. program and doctoral standing.
Prerequisite: Admission to the Au.
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. D. program and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 70711 SPEECH-LANGUAGE PATHOLOGY FOR THE AUDIOLOGIST 3 Credit Hours
Examination of normal and abnormal aspects of speech and language including their impact on auditory function and testing. D. program and doctoral standing.
Prerequisite: Admission to the AU.
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. D. program and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 70715 CENTRAL AUDITORY PROCESSING: EVALUATION AND MANAGEMENT  3 Credit Hours
Study of audiologic evaluation and habilitation/rehabilitation procedures for people having central auditory disabilities.
Prerequisite: SPA 70705 and SPA 70706 and doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 70716 ADULT HEARING-AID FITTING AND SELECTION  3 Credit Hours
Examination of the theory and practice of fitting hearing aids. Emphasis on special clinical procedures research needs and evolving technology in hearing instruments. Includes a one hour lab.
Prerequisite: SPA 70713 and doctoral standing.
Schedule Type: Combined Lecture and Lab
Contact Hours: 3 other
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 70718 COCHLEAR IMPLANTS  2 Credit Hours
Study of cochlear implants in children and adults including equipment, candidacy, mapping and overview of (re)habilitation. D. program and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Lecture
Contact Hours: 2 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. D. program and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 70720 PEDIATRIC AMPLIFICATIONS  3 Credit Hours
The focus of study is on amplification systems and fitting techniques for the pediatric population.
Prerequisite: SPA 70713 and SPA 70716 and SPA 70717 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.) D. program or special approval of instructor and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Combined Lecture and Lab
Contact Hours: 3 other
Grade Mode: Standard Letter

SPA 70722 AUDIOLOGIC MANAGEMENT OF THE SCHOOL-AGE CHILD  3 Credit Hours
Focus on educational audiology. Features delivery of audiologic services designed to access the school environment for children ages 4-21.
Prerequisite: SPA 70717 and doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 70723 AUDIOLOGIC TREATMENT OF ADULTS  3 Credit Hours
Study of current methodologies employed in the audiologic rehabilitation of adults with hearing impairments. Implementation of remedial strategies is emphasized.
Prerequisite: SPA 70716 or special approval of instructor and doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

SPA 70724 HISTORY OF AUDIOLOGY  1 Credit Hour
An examination of the history of deafness/hearing impairment and the profession of audiology. D. program and doctoral standing.
Prerequisite: Admission to the AU.
Schedule Type: Lecture
Contact Hours: 1 lecture
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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Schedule Type</th>
<th>Contact Hours</th>
<th>Grade Mode</th>
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</thead>
<tbody>
<tr>
<td>SPA 70727</td>
<td>CULTURAL ISSUES IN DEAFNESS</td>
<td>2</td>
<td>An introduction to deaf culture and the audiologist's roles and responsibilities in planning treatment with a member of the deaf community. D. program and doctoral standing.</td>
<td>Admission to the AU.</td>
<td>Lecture</td>
<td>2</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70730</td>
<td>PRACTICE MANAGEMENT IN AUDIOLOGY</td>
<td>4</td>
<td>Study of issues which impact the management of audiological practices, including establishing a private practice, reimbursement, marketing, record keeping and professional liability. D. program and doctoral standing.</td>
<td>Admission to the AU.</td>
<td>Lecture</td>
<td>4</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70732</td>
<td>AUDIOLOGIC TREATMENT ACROSS THE LIFESPAN</td>
<td>4</td>
<td>Study of current methodologies employed in the audiologic treatment of people with hearing loss across the lifespan. Implementation of remedial strategies is emphasized.</td>
<td>SPA 70616; admission to the audiology (AUD) major; and doctoral standing.</td>
<td>Lecture</td>
<td>4</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70733</td>
<td>ADVANCED ELECTROPHYSIOLOGIC AND VESTIBULAR</td>
<td>4</td>
<td>Advanced considerations in balance function assessment and management and in the study of evoked responses used in diagnostic audiology.</td>
<td>SPA 70726 and SPA 70721; admission into the Audiology program and doctoral standing.</td>
<td>Lecture</td>
<td>4</td>
<td>Standard Letter</td>
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<tr>
<td>SPA 70734</td>
<td>PRINCIPLES IN PRECEPTING</td>
<td>1</td>
<td>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).</td>
<td>SPA 70748; and admission into the audiology (AUD) major; and doctoral standing.</td>
<td>Lecture</td>
<td>1</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70741</td>
<td>DIRECTED OBSERVATION IN AUDIOLOGY</td>
<td>1</td>
<td>Introduction to clinical practicum in audiology. Directed observation of clinical practice including audiological diagnosis and audiological rehabilitation are required. D. program or special approval of the instructor and doctoral standing.</td>
<td>Admission to the AU.</td>
<td>Lecture</td>
<td>1</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70742</td>
<td>DIRECTED OBSERVATION IN AUDIOLOGY II</td>
<td>1</td>
<td>Introduction to clinical practicum in audiology. Directed observation of clinical practice including audiological diagnosis and audiological rehabilitation are required. D. program and doctoral standing and special approval.</td>
<td>Admission to the AU.</td>
<td>Practicum</td>
<td>1</td>
<td>Standard Letter</td>
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<tr>
<td>SPA 70743</td>
<td>CLERKSHIP I</td>
<td>1</td>
<td>Clinical practicum in audiology during which students perform discrete tasks under supervision.</td>
<td>special approval of instructor and doctoral standing.</td>
<td>Practicum</td>
<td>1</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70744</td>
<td>CLERKSHIP II</td>
<td>1</td>
<td>Supervised clinical practicum in audiology during which students will perform discrete clinical tasks while under supervision.</td>
<td>SPA 70743 and special approval and doctoral standing.</td>
<td>Practicum</td>
<td>1</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70747</td>
<td>GRADUATE AUDIOLOGIST I</td>
<td>3</td>
<td>Supervised clinical practicum in audiology which encompasses audiologic assessments and audiologic habilitation.</td>
<td>SPA 70792 and doctoral standing.</td>
<td>Practicum</td>
<td>3</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70748</td>
<td>GRADUATE AUDIOLOGIST II</td>
<td>3</td>
<td>Supervised clinical practicum in audiology requiring the independent performance of audiologic assessment procedures, audiologic rehabilitation and vestibular assessment and rehabilitation.</td>
<td>SPA 70747 and doctoral standing and special approval.</td>
<td>Practicum</td>
<td>3</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70749</td>
<td>GRADUATE AUDIOLOGIST III</td>
<td>8</td>
<td>Full-time clinical practicum in audiology at an off-campus site.</td>
<td>SPA 70748 and passing score of 600 or higher on the PRAXIS examination and doctoral standing and special approval.</td>
<td>Practicum</td>
<td>8</td>
<td>Standard Letter</td>
</tr>
<tr>
<td>SPA 70750</td>
<td>GRADUATE AUDIOLOGIST IV</td>
<td>8</td>
<td>Full-time clinical practicum in audiology at an off-campus site. Students taking the course must have successfully completed the Praxis Examination.</td>
<td>SPA 70749 and doctoral standing.</td>
<td>Practicum</td>
<td>8</td>
<td>Standard Letter</td>
</tr>
</tbody>
</table>
SPA 70751  GRADUATE AUDIOLOGIST V  3 Credit Hours
Full-time clinical practicum in audiology at an off-campus site.
Prerequisite: SPA 70750 and doctoral standing.
Schedule Type: Practicum or Internship
Contact Hours: 3 other
Grade Mode: Standard Letter

SPA 70791  CLINICAL SEMINAR IN AUDIOLOGY  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: special approval and doctoral standing.
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: Practicum or Internship
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. D. program and doctoral standing.
Prerequisite: Admission to the AU.
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 undersupervision.
Prerequisite: admission to the audiology (AUD) major; and doctoral standing; and special approval.
Schedule Type: Practicum or Internship
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 undersupervision.
Prerequisite: doctoral standing and special approval.
Schedule Type: Practicum or Internship
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 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: Special approval and doctoral standing.
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
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SPA 74304</td>
<td>ACQUIRED COGNITIVE COMMUNICATIVE IMPAIRMENTS</td>
<td>3 Credit Hours</td>
<td>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: Doctoral standing and speech language pathology (SLP) major.</td>
</tr>
<tr>
<td>SPA 74305</td>
<td>FLUENCY DISORDERS</td>
<td>3 Credit Hours</td>
<td>Nature, theories and their derived approaches to the assessment and treatment of fluency disorders. Prerequisite: speech language pathology (SLP) major and doctoral standing.</td>
</tr>
<tr>
<td>SPA 74306</td>
<td>VOICE DISORDERS</td>
<td>2 Credit Hours</td>
<td>Normal aspects of voice production, etiology and symptomatology of voice disorders, diagnostic procedures and management techniques. Prerequisite: Doctoral standing.</td>
</tr>
<tr>
<td>SPA 74307</td>
<td>DYSARTHRIA</td>
<td>1 Credit Hour</td>
<td>Neuro-anatomy, etiologies, symptomatologies, evaluation procedures and treatment techniques relating to dysarthria in adults. Prerequisite: Doctoral standing.</td>
</tr>
<tr>
<td>SPA 74308</td>
<td>LANGUAGE ASSESSMENT AND INTERVENTION WITH SCHOOL-AGE POPULATIONS</td>
<td>3 Credit Hours</td>
<td>Theoretical background knowledge and practical assessment and intervention techniques for school-age children who demonstrate language disorders. Prerequisite: SPA 34107 and doctoral standing.</td>
</tr>
<tr>
<td>SPA 74309</td>
<td>AUTISM SPECTRUM DISORDERS: THEORY AND DIAGNOSIS</td>
<td>3 Credit Hours</td>
<td>(Slashed with SPED 44309, SPED 64309 and SPA 64309) 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.</td>
</tr>
<tr>
<td>SPA 74310</td>
<td>AUTISM SPECTRUM DISORDERS: LIFESPAN INTERVENTIONS</td>
<td>3 Credit Hours</td>
<td>(Slashed with SPA 64310 and SPED 64310) 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.</td>
</tr>
<tr>
<td>SPA 74312</td>
<td>MOTOR SPEECH DISORDERS IN CHILDREN AND ADULTS</td>
<td>3 Credit Hours</td>
<td>(Cross-listed 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.</td>
</tr>
<tr>
<td>SPA 74354</td>
<td>MAXILLOFACIAL ANOMALIES</td>
<td>1-3 Credit Hours</td>
<td>Nature and rehabilitative procedures for individuals with congenital and acquired maxillofacial anomalies and resonance disorders. Prerequisite: Doctoral standing.</td>
</tr>
<tr>
<td>SPA 74356</td>
<td>PEDIATRIC AND ADULT DYSPHAGIA</td>
<td>4 Credit Hours</td>
<td>Anatomy, etiologies symptomatologies evaluation procedures and treatment techniques relating to swallowing disorders in adults and children. Prerequisite: Doctoral standing.</td>
</tr>
<tr>
<td>SPA 74391</td>
<td>SEMINAR: ARTICULATION AND PHONOLOGY</td>
<td>1-3 Credit Hours</td>
<td>(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.</td>
</tr>
<tr>
<td>SPA 74491</td>
<td>SEMINAR: ORGANIC SPEECH DISORDERS</td>
<td>1-3 Credit Hours</td>
<td>(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.</td>
</tr>
</tbody>
</table>
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: Special approval and doctoral standing.
Schedule Type: Practicum or Internship
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 (AUD) major; and doctoral standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 18 other
Grade Mode: Standard Letter-S/U

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 (AUD) major; and doctoral standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 1 other
Grade Mode: Standard Letter-S/U

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 74792  GRADUATE AUDIOLOGIST III  6 Credit Hours
Supervised clinical practicum in audiology which encompasses the entire range of audiologic procedures including neurophysiological based procedures.
Prerequisite: SPA 70748; and passing score of 600 or higher on the PRAXIS examination; and doctoral standing; and special approval.
Corequisite: SPA 70791.
Schedule Type: Practicum or Internship
Contact Hours: 18 other
Grade Mode: Standard Letter

SPA 74891  SEMINAR:COMMUNICATION MODALITIES AND ASSISTIVE TECHNOLOGY  3 Credit Hours
(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 (SLP) major and doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U-IP
SPA 74992 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 70750; and doctoral standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 24 other
Grade Mode: Standard Letter

SPA 75092 CLINICAL PRACTICUM I IN SPEECH LANGUAGE PATHOLOGY  2-3 Credit Hours
(Cross-listed with SPA 65092) (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 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: doctoral standing and special approval; and SPA 75192 with a minimum B grade.
Schedule Type: Practicum or Internship
Contact Hours: 8-12 other
Grade Mode: Standard Letter-IP

SPA 74892 GRADUATE AUDIOLOGIST IV  8-12 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 70750; and doctoral standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 24 other
Grade Mode: Standard Letter

SPA 75192 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: Instructor special approval and speech pathology and audiology (SPA) major and doctoral standing.
Schedule Type: Seminar
Contact Hours: 1-3 other
Grade Mode: Standard Letter-S/U-IP

SPA 75292 CLINICAL PRACTICUM III IN SPEECH LANGUAGE PATHOLOGY  2-3 Credit Hours
(Cross-listed 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: doctoral standing and special approval; and SPA 75192 with a minimum B grade.
Schedule Type: Practicum or Internship
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: doctoral standing and special approval; and SPA 75292 with a minimum B grade.
Schedule Type: Practicum or Internship
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: doctoral standing and special approval; and SPA 75292 or SPA 75392 with a minimum B grade.
Schedule Type: Practicum or Internship
Contact Hours: 20-40 other
Grade Mode: Standard Letter-IP
SPA 75592 EXTERNSHIP IN SPEECH LANGUAGE PATHOLOGY: PEDIATRIC 4-8 Credit Hours
(Cross-listed 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: doctoral standing and special approval; SPA 75292 or SPA 75392 with a minimum B grade.
Schedule Type: Practicum or Internship
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 (AUD) major; and doctoral standing; and special approval.
Corequisite: SPA 70709.
Schedule Type: Practicum or Internship
Contact Hours: 18 other
Grade Mode: Standard Letter

SPA 75792 INTERNSHIP II 1 Credit Hour
Supervised clinical practicum in audiology during which students will perform discrete clinical tasks while under supervision.
Prerequisite: SPA 75792; and admission to the audiology (AUD) major; and doctoral standing; and special approval.
Schedule Type: Practicum or Internship
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 1-6 Credit Hours
(Repeatable for a maximum of 12 credit hours) Independent study of topics to be selected in consultation with graduate faculty.
Prerequisite: Doctoral standing.
Schedule Type: Individual Investigation
Contact Hours: 1-6 other
Grade Mode: Standard Letter-S/U-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