

SPA 500: Graduate Study in Speech Pathology and Audiology **3 Credit Hours**

Course designed to acquaint the entering graduate student with advanced study in speech-language pathology and audiology. Emphasis is on student selection of the appropriate designs for research on normal and abnormal communication. Each student must develop either a clinical or laboratory research proposal.

SPA 501: Clinical Report Writing **3 Credit Hours**

Interviewing techniques; information organization; preparation of the various types of clinical reports.

SPA 505: Introduction to Communication Disorders **3 Credit Hours**

Classification and etiology of speech disorders; associated problems of the communicatively handicapped; general practices employed in the diagnosis and treatment of persons with speech and hearing disorders.

SPA 511: Anatomy and Physiology of Speech and Hearing **3 Credit Hours**

Study of the structure and function of the human mechanisms by which speech sounds are produced and received.

SPA 514: Introduction to Phonetics **3 Credit Hours**

Introduction to the study of English phonemes and the laws that govern their patterning. Acoustic and physiologic features of English phonemes are emphasized. Course includes practice with the International Phonetic Alphabet to develop speech transcription skills and the exploration of current research in phonetics through critical reviews of the literature.

SPA 516: Speech and Hearing Science **3 Credit Hours**

Introduction to the scientific study of speech production and speech perception; study of the acoustic characteristics of speech and electrical signals; review of analog and digital recording and analysis techniques. Course includes systematic exploration of selected topics in speech and hearing science through individualized projects and literature reviews.

SPA 517: Instrumentation in Speech and Hearing Science **3 Credit Hours**

This course will provide instruction on the application of various laboratory equipment, (e.g., audio and video recorders, oscillators, oscilloscopes, wave analyzers, sound spectrographs, etc.) to the management of speech and hearing behaviors. Basic electronic and acoustic concepts (impedance, Ohm's Law, voltage, bandwidth, etc.) will be discussed. Prerequisite: SPA 516.

SPA 520: Speech and Language Development **3 Credit Hours**

Course emphasizes the study of normal language acquisition, processes, and related linguistic theory. Students learn basic norms and descriptive procedures for language development as a basis for diagnosis.

SPA 521: Cultural Language Variations**3 Credit Hours**

Stud of the dialectal and linguistic variations of normal language as a function of cultural, environmental, and social differences.

SPA 522: Child Language Disorders**3 Credit Hours**

Systematic exploration of procedures and techniques used in the identification, diagnosis, and management of language disorders in infants toddlers, children, and adolescents. Prerequisite: SPA 520 or permission of the instructor.

SPA 530: Articulation Disorders**3 Credit Hours**

Detailed study of the nature, diagnosis, and treatment of articulation disorders, with emphasis on phonological process development and remediation. Current literature is reviewed. Projects are designed to meet individual students needs.

SPA 540: Stuttering**3 Credit Hours**

Study of the theories and therapies basic to the management of fluency disorders in children and adults.

SPA 550: Disorders of Phonation**3 Credit Hours**

Comprehensive study of the etiology and characteristics of organic, functional, and psychogenic voice disorders. Emphasis is on instrumentally based assessment and intervention procedures.

SPA 560: Introduction to Audiology**3 Credit Hours**

Survey of the disorders of hearing; emphasis on techniques and interpretation of pure tone audiometric measurements; introduction to speech audiometry.

SPA 563: Rehabilitation of the Hearing Impaired**3 Credit Hours**

Study of the theories and procedures used in the rehabilitation of the deaf and hard-of-hearing. Emphasis is on the comprehensive rehabilitation of moderate to severely hearing impaired individuals. Prerequisite: SPA 560 or equivalent.

SPA 564: Pediatric Audiology**3 Credit Hours**

Current audiological testing techniques for infants and young children. Course includes conditioned orienting-reflex audiometry, play audiometry, pure tone screening, and BSER. A review of etiologies of hearing loss and philosophies and methodologies of classical conditioning are also included in the course. Prerequisites: SPA 560 and SPA 561 or equivalent.

SPA 565: Clinical Audiology**3 Credit Hours**

Theory and practice of the basic audiological battery; interpretation and application of test results; operation and performance of hearing aids, and calibration procedures. Prerequisites: SPA 560 and SPA 561 or equivalent.

SPA 568: Audiological Problems in Environmental Noise Control **3 Credit Hours**

Study of the physiological and psychological effects of noise on man, principles of noise measurement, the control of industrial, military, and other environmental noise; organization and implementation of hearing conservation programs.

SPA 569: Seminar in Audiology **1 Credit Hour**

Course designed to permit students to choose a topic involving current research and/or practice in the field of audiology, to research the topic, to make periodic presentations to other students and the instructor for discussion and review.

SPA 570: Cerebral Palsy **3 Credit Hours**

The symptomatology of cerebral palsy as a developmental disorder is presented as well as current incidence and etiology. The diagnosis and treatment of the related communication disorders are emphasized, with specific reference to dysarthria and augmentative forms of communication. Prerequisites: SPA 511 or equivalent.

SPA 571: Cleft Palate **3 Credit Hours**

Survey of the anatomy, physiology, and growth of the palate and related structures; emphasis on the etiology, diagnosis, and management of communication problems due to maxillofacial and related deficits. Prerequisites: SPA 500, SPA511 or equivalent.

SPA 572: Adult Language Disorders **3 Credit Hours**

Nature, etiology, diagnosis, and management of adult language disorders, including, but not limited to aphasia and concomitant problems. Prerequisite SPA 511 or equivalent.

SPA 573: Neuropathologies of Speech and Language Impairments **3 Credit Hours**

(Motor Speech Disorders)

Course addresses the neurological correlates of speech and language which affect the communicative mechanisms. Focus is on identification, assessment, and case management. Prerequisite: SPA 511 or equivalent.

SPA 574: Communication Problems of the Aging **3 Credit Hours**

This course provides a survey of the communicative problems of the geriatric population. Emphasis is on management procedures.

SPA 580: Speech and Hearing Therapy in the Schools **3 Credit Hours**

Study of the organization and management of speech corrections programs in the schools. Materials and methods for program operation are explored. Study of PL94-142 and P1 99-457 and the impact on client management, due process, and case selection. Emphasis is on screening, placement, and management of pupils in the schools. Prerequisites: SPA 514, SPA 520, SPA 522, SPA 530, SPA 540, SPA 560, SPA 563.

SPA 581: Principles of Clinical Procedures**3 Credit Hours**

Principles and techniques used in the management of speech-language-hearing disorders in a variety of work settings -- clinical/public school/rehabilitation settings.

SPA 590: Diagnostic Procedures in Communicative Disorders**3 Credit Hours**

The course teaches the diagnostic process and procedures utilized in determining the presence of a language and/or speech disorder, interpretation of findings, report writing, and appropriate follow-up activities. Prerequisites: SPA 505, SPA 511, SPA 514, SPA 520, SPA 530.

SPA 591: Advanced Clinical Practicum I**1 Credit Hour**

Supervised clinical observations of the management of speech, hearing, and language disorders. It is normally taken by those individuals who enter the program without prior preparation in speech pathology.

SPA 592: Advanced Clinical Practicum II**1 Credit Hour**

Study of the physiological and psychological effects of noise on man, principles of noise measurement, the control of industrial, military, and other environmental noise; organization and implementation of hearing conservation programs.

SPA 593: Seminar in Speech Pathology**3 Credit Hours**

This seminar is concerned with new research, diagnostic techniques, management procedures, and current trends in speech pathology and audiology.

SPA 594: Differential Diagnosis of the Non-Verbal Child**3 Credit Hours**

Principles and procedures for differentiating among the factors that may inhibit language development in children; emphasis on behavioral observations, current diagnostic methodologies, augmentative communication.

SPA 595: Introduction to Manual Communication**3 Credit Hours**

The course covers the manual alphabet used in finger spelling and the language of signs. Emphasis is on expressive as well as receptive skills. Prerequisite: graduate status.

SPA 596: Intermediate Manual Communication**3 Credit Hours**

This is a continuing study of the language of signs. Emphasis is on development of expressive and receptive skills. Prerequisite: SPA 595 or permission of the instructor.

SPA 600: Thesis I**3 Credit Hours**

Students may elect to write a thesis under the supervision of a faculty committee. Intention must be submitted to the Graduate School during the first semester of candidacy.

SPA 601: Thesis II

3 Credit Hours

Students may elect to write a thesis under the supervision of a faculty committee. Intention must be submitted to the Graduate School during the first semester of candidacy.

SPA 699: Special Topics in Speech Pathology and Audiology

3 Credit Hours

Topics will be selected from various areas in Speech Pathology and Audiology, including trends, methods, and other applicable approaches. Special topics may be repeated to a maximum of six credits provided the content is different. Prerequisite: Approval of faculty.