UNDERGRADUATE COURSES

SpHr 199 - Special Studies (Credit to be arranged.)
SpHr 262 - Voice and Diction (4)
   Study and practice of principles of voice production and articulation of speech sound, with attention to elementary speech physiology and phonetics. Intended for students who desire to develop more effective speech and for meeting special needs of teachers, radio and television speakers, public speakers, and others who require special competence in speaking. Emphasis on both theory and practice. Two hours per week of laboratory work required.

SpHr 365 - Survey of Speech, Language, and Hearing Disorders (4)
   Designed as an overview of speech, language, and hearing in children and adults. Topics to include: cleft palate, stuttering, hearing impairment, and multi-cultural differences. Recommended for general speech students.

SpHr 370 - Phonetics and Acoustics (4)
   A study of sounds used in speech, their acoustic properties, and their transcription utilizing the IPA; description of sounds, their symbolic nature, their production, and physical and psychological problems involved in their perception. The acoustical bases of speech and hearing will also be addressed.

SpHr 371 - Anatomy and Physiology of Speech and Swallowing (4)
   A study of the anatomy and physiology of the respiratory, phonatory, and articulatory systems for speech, with applications to speech disorders. The physiology of swallowing and swallowing disorders is also covered.

SpHr 372 - Speech and Language Development in Children (4)
   Provides students with a foundation of knowledge regarding basic processes of language acquisition. In addition to the study of normal language development from a theoretical, developmental, and clinical perspective, related areas of study include cognition, social interactions, play, and literacy. Bilingual and multicultural issues are also addressed.

SpHr 380 - Language Disorders in Children (4)
   An overview of developmental language disorders in children. Disorders will be presented in terms of etiology, incidence, and characteristics. Assessment issues and treatment principles will be discussed. Prerequisite: SpHr 372.

SpHr 389 - Sign Language: Theory and Practice (4)
   Basic mastery of American Sign Language (ASL) and the manual alphabet. Discussion of ASL rules and grammatical structures. Study of cultural, social, vocational, and other related issues associated with deafness. Comparison of a variety of sign language systems and overview of the controversies between total communication and oralism. Includes ASL practice in class and lab assignments. Recommended prerequisite: upper-division standing.

SpHr 394 - Guided Observation (1)
   Designed to acquaint students with the clinical process in speech, language, and audiology cases. Students will observe phases of clinical operation including diagnostic management, parent conferencing, and material preparation.

SpHr 395 - Directed Clinical Assistantship (2)
   Designed to acquaint pre-professional students with the direct management of speech, language, and hearing cases in cooperation with advanced clinicians and under the direction of a qualified clinical supervisor. Students enrolled in this course will participate in all phases of clinical operation, inclusive of: scheduling, diagnostic management, parent conferencing, report writing, material preparation, etc. Recommended corequisites: SpHr 370, 372, 380, 464.

SpHr 399 - Special Studies (Credit to be arranged.)
SpHr 464 - Speech Disorders in Children (4)
   Discussion of normal speech development and how it can differ in individuals with speech disorders. Exploration of assessment, diagnosis, and treatment for speech disorders in children. Introduction to linguistic and cultural factors related to speech development and disorders, and to special populations with high incidence of speech disorders. Prerequisites: SpHr 370, SpHr 372.

SpHr 475 – Introduction to the Professions of Speech-Language Pathology & Audiology (4)
   Overview of topics related to professional development in speech-language pathology and audiology, including professional behavior, ethical responsibility, scope of practice, interdisciplinary collaboration, professional affiliations, continuum of care, typical work settings, and applying to graduate schools. Expected Preparation: Seniors or final year of preparation.

SpHr 480 – Introduction to Sociocultural Communication (4)
   Introduction to communication and interaction on context and influence of context on communication disorders. Explores situational, social-interpersonal, and cultural variables. Examines systems theory and cultural practices as they influence communication. Expected Preparation: Juniors or post-baccalaureate status.

SpHr 496 - Introduction to Clinical Management (4)
   Provides an introduction to assessment and management of diverse persons with communication disorders across the lifespan. Covers basic principles of assessment and intervention, evidence-based practices, and behavior management. Introduces
terminology and basic techniques for addressing speech, language, and hearing disorders, with special consideration of program design and delivery. Pre-Requisites: SpHr 371, 372. Expected Preparation: SpHr 370.

**CROSS-LISTED UNDERGRADUATE/GRADUATE COURSES**

**SpHr 401/501 - Research (Credit to be arranged.)**
Consent of instructor. Use 501 to register for comprehensive exams.

**SpHr 404/504 - Cooperative Education/Internship (Credit to be arranged.)**

**SpHr 405/505 - Reading and Conference (Credit to be arranged.)**
Consent of instructor.

**SpHr 406/506 - Special Projects (Credit to be arranged.)**
Consent of instructor.

**SpHr 407/507 - Seminar (Credit to be arranged.)**
Consent of instructor.

**SpHr 408/508 - Workshop (Credit to be arranged.)**

**SpHr 410/510 - Neurology of Speech and Hearing (4)**
A course specifically designed for speech and hearing majors to provide a study in-depth of the neurology of the speech and hearing mechanisms with special attention given to the major deviations affecting verbal communication.

**SpHr 487/587 - Basic Audiology (4)**
Introductory course in audiology emphasizing basic acoustics and psychoacoustics, anatomy and physiology of the ear, hearing measurement, and types and causes of hearing impairment.

**SpHr 488/588 - Advanced Audiology (4)**
Introduction to the audiological test battery. Topics include bone-conduction, masking, speech audiometry, and objective tests. Auditory pathologies and their audiometric correlates are also covered. Recommended prerequisite: SpHr 487/587.

**SpHr 489/589 - Aural Rehabilitation (4)**
Theoretical course covering the role of speech-reading (lip reading) and auditory training as it relates to speech, language, and communication. Historical perspectives and philosophies considered, communication systems, speech acoustics and perception, amplification and hearing aids, speech reading, and auditory training. Multicultural issues will be included. Recommended prerequisite: SpHr 488/588.

**SpHr 495/595 - Organic Communication Disorders (4)**
Introduction to speech and language disorders with emphasis on voice disorders, stuttering disorders and neurogenic disorders; cleft palate and cerebral palsy will complete the survey. Recommended prerequisite: SpHr 371.

**GRADUATE COURSES**

**SpHr 503 - Thesis (Credit to be arranged.)**
Consent of instructor. Must register for minimum of 6 credits total, with at least 1 credit in term of defense.

**SpHr 509 - Practicum (Credit to be arranged.)**
Restricted to SpHr graduate students only. Students must show proof of professional liability insurance.

**SpHr 530 - Clinical Management in Communication Disorders (4)**
Focuses on principles of static and dynamic assessment, intervention planning and implementation, goal writing and data collection, and behavior management—including motivation and reinforcement—across diagnostic populations and developmental stages. Considers contextual influences and emphasizes evidence-based practices. Restricted to graduate students. Pre-Requisites: SpHr 370, 380 (or equivalent).

**SpHr 540 - Multicultural Topics in Communication Disorders (4)**
Introduces topics of communication disorders within the framework of culture and identity. Explores cultural attitudes and beliefs about communication and disabilities, cultural differences, cultural identity, second and bilingual language acquisition, and introduces assessment and intervention strategies for non-mainstream populations. Pre-Requisite: SpHr 530.

**SpHr 541 - Bilingual Topics in Communication Disorders (2)**
Explores current topics within bilingual speech and language development and disorders. Covers typical and atypical development within many areas of speech and language, diagnostic criteria for determining disability, and assessment and intervention topics for children and adults from bilingual language backgrounds. Emphasis on Spanish-English bilingual populations.

**SpHr 545 - Pathways to Professional Practice (2)**
Overview of topics related to professional practice of speech-language pathology: professional organization membership, certification, licensure, and ethical and legal responsibilities. Career development issues: preparing for national exams; résumé writing, interviewing, and planning for the Clinical Fellowship; team collaboration; supervision; and reimbursement practices. Pre-Requisite: SpHr 530.

SpHr 546 - Professional Ethics (2)
Enhances student awareness of and knowledge about ethical principles that form the basis for the American Speech-Language-Hearing Association Code of Ethics. Explores complexity of professional practice of SLP that have ethical considerations. Includes weekly group discussion to engage in ethical diagnosis using clinical scenarios based on individuals with communication disorders. Pre-Requisite: SpHr 530.

SpHr 553 - Counseling in Communication Disorders (2)
Presents approaches to counseling with emphasis on and implications for developing effective working relationships with clients with communication disorders and their families. Presents techniques for effective therapeutic interventions. Students will explore and apply current interviewing and counseling strategies used for assessment, treatment, and intervention in the practice of speech-language pathology. Pre-Requisites: SpHr 530.

SpHr 554 - Advanced Speech Sound Disorders: Theories and Application (4)
Development and disorders of speech sound production, with particular emphasis on children. Phonological and phonetic theories used in understanding speech and speech sound development and disorders. Various means of assessing and providing intervention for speech sound disorders, including childhood apraxia of speech. Pre-Requisites: SPHR 370 & 372 (or equivalent). Restricted to graduate students.

SpHr 558 - Symbol Systems in Early Communication (2)
Focuses on communication characteristics of individuals with severe communication disorders and their use of augmentative and alternative communication to meet communication needs. Emphasis on systematic communication assessment and intervention methods to enhance emergent communication in individuals with severe communication needs. Pre-Requisites: SpHr 380, 530.

SpHr 559 - Augmentative and Alternative Communication (2)
Introductory course in augmentative and alternative communication (AAC) with a focus on manual and technological communication methods. Includes strategies for appropriate assessment of speech, language, cognitive, and sensory-motor skills, and addresses partner support requirements for AAC use. Students gain knowledge and skills for treating children, adolescents, and adults with moderate to severe developmental or acquired disorders in speech and language. Pre-Requisite: SPHR 530.

SpHr 560 - Research Methods in Communication Sciences and Disorders (4)
Introduction to research methods in communication sciences and disorders. Covers research strategies and designs commonly used in communication sciences and disorders, as well as methods used in the collection, analysis and interpretation of data. The course focuses on the application of research principles in the critical evaluation of journal articles and other research literature, with the goal of enabling students to make informed decisions as to which developments in communication disorders should be applied to clinical practice. The principles and processes of evidence-based, clinical practice are emphasized. Prerequisites: Stat 243, 244 or equivalent.

SpHr 562 - Cognitive Rehabilitation (4)
Discusses causes, symptoms, prevention, assessment, and management of cognitive-communication disorders following acquired brain injury across the lifespan. Specific populations to be discussed include traumatic brain injury, stroke, and the dementias. Places emphasis on evidence-based clinical reasoning and applying the World Health Organization model to clinical management in rehabilitation settings. Restricted to graduate students. Expected Preparation: SpHr 461, 530.

SpHr 563 - Adult Language Disorders (4)
Presents theories of acquired language disorders in adults specific to aphasia rehabilitation, including causes, symptoms, prevention, assessment, and management of aphasia in adults. Emphasis is placed on evidence-based clinical reasoning and applying the World Health Organization model to clinical management in a variety of rehabilitation settings. Pre-Requisites: SpHr 461. Restricted to graduate students.

SpHr 564 - Advanced Medical Speech-Language Pathology (2)
Addresses current topics related to practice of medical speech-language pathology in a variety of settings. Topics may include management of tracheostomy/ventilator dependence; medical terminology; medical billing, reporting, and appeals; interdisciplinary models; evidence-based practices; common medications and their side effects; and other topics of contemporary interest to learners. Pre-Requisites: SpHr 461, 562, 563, 565.

SpHr 565 - Dysphagia (4)
Advanced study of normal and disordered anatomy and physiology of swallow mechanism, including causes, symptoms, prevention, assessment, and management of swallowing disorders across the lifespan. Emphasis on evidence-based clinical reasoning and applying the World Health Organization model to clinical management in a variety of practical settings. Pre-Requisites: SpHr 530.
SpHr 566 - Motor Speech Disorders (2)
Discusses disorders of speech sensorimotor production, including causes, symptoms, prevention, assessment, and management of acquired apraxia of speech and the dysarthrias across the lifespan. Emphasis placed on evidence-based clinical reasoning and applying the World Health Organization model to clinical management in varied settings. Pre-Requisites: SpHr 530.

SpHr 567 - Cleft and Craniofacial Disorders (2)
Provides in-depth clinical management of children with cleft lip and palate and other craniofacial syndromes. Particular emphasis placed on identification, description, assessment, and treatment of speech production, feeding, and psychosocial development. Explores evidence-based models of team care, including the role of other medical professionals. Pre-Requisites: SpHr 370, 371, 530, 554.

SpHr 581 - Stuttering (4)
Covers disorders of fluency, including causes, symptoms, prevention, theories of stuttering, assessment, and management of stuttering in pediatrics and adults. Emphasis is placed on evidence-based clinical reasoning and applying the World Health Organization model to clinical management in a variety of practical settings. Pre-Requisites: SPHR 530.

SpHr 582 - Voice Disorders (2)
Presents advanced information about the anatomy and physiology of normal and disordered voice production, including causes, symptoms, prevention, assessment, and management of voice disorders across the lifespan for organic and functional voice disorders. Pre-Requisites: SpHr 530.

SpHr 584 - Assessment and Treatment of Language Disorders: Birth to Age Five (4)
Focuses on causation, evaluation, and management for addressing communication disorders in infants, toddlers, and preschool children with multiple challenges; particular emphasis on emerging communication across multiple developmental domains, with family-centered, interdisciplinary assessment and intervention. All topics target use of evidence-based practices and the influence of context on performance. Pre-Requisites: SpHr 372, 380, 530.

SpHr 585 - Assessment and Treatment of Language Disorders in School-aged Children and Adolescents (4)
Includes static, dynamic, and curriculum-based communication assessment of language, learning, and communication disorders. Discusses relation between language and learning disabilities, with focus on treatment of language-based disorders of reading and writing. Intervention emphasizes interdisciplinary service delivery models. Topics target use of evidence-based practices and influence of context on performance. Pre-Requisites: SpHr 584.

SpHr 586 - Autism (2)