AUDIOLGY AND SPEECH SCIENCES

Department of Communicative Sciences and Disorders
College of Communication Arts and Sciences

203 Introducction to Communication Sciences and Disorders
Fall, Spring. 3(3-0) Not open to students with credit in ASC 403.
Survey of research and practice regarding speech, hearing and language disorders in children and adults.

214 Anatomy and Physiology of the Speech and Hearing Mechanism
Fall, Spring. 3(3-0) Structural and functional analyses of the central and peripheral auditory mechanisms, and of the respiratory, phonatory, and articulatory mechanisms for speech.

232 Descriptive Phonetics
Fall, Spring. 2(1-2)
Principles of speech production. Transcription of speech using the International Phonetic Alphabet.

303 Hearing Science
Fall, 3(2-2) P:M: MTH 106 or MTH 152H or MTH 110 or MTH 201 or MTH 116 or STT 200 or MTH 124 or STT 201 or MTH 132 RB: Completion of one ISP course. SA: ASC 255
Physical and psychological aspects of sound and their measurement. Emphasis on the understanding of human communication and its disorders.

313 Speech Science
Spring, 3(2-2) P:M: ASC 214 and (ASC 232 or concurrently) RB: Completion of one ISP course SA: ASC 255
Processes underlying the production and perception of speech. Understanding human communication and its disorders.

333 Oral Language Development
Fall, Spring, 3(3-0) P:M: PSY 101 or LIN 201 or LIN 401 or ENG 302 R: Not open to freshmen.
Development of receptive and expressive aspects of child language.

344 Evaluation Procedures in Audiology
Spring, 4(3-2) P:M: (ASC 303) and completion of Tier I writing requirement
Classification of hearing disorders. Behavioral and electrophysiological measurement of hearing, including subjective and objective testing procedures.

364 Evaluation Procedures in Speech-Language Pathology
Fall, 4(3-2) P:M: (ASC 313) and completion of Tier I writing requirement

394 Observation and Analysis of Clinical Practice
Fall, Spring, Summer. 1(0-2) P:M: ASC 344 and ASC 364

403 Communication Sciences and Disorders
Fall, 3(3-0) R: Not open to freshmen or sophomores. Not open to students in the Department of Audiology and Speech Sciences. Not open to students with credit in ASC 203.
Research and practice regarding communication disorders and the professions of speech-language pathology and audiology.

419 International Aspects of Communication Disorders
Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P:M: ASC 214 and ASC 303 and ASC 313 and ASC 333 R: Approval of department.
Human communication disorders in international settings.

433 Language Dialect Differences in Applied Contexts
Spring, 3(3-0) P:M: ASC 333 or LIN 200 or LIN 401 or ENG 302 Regional, ethnic, and cultural characteristics of American English. Comparison of speech-language differences and disorders.

443 Rehabilitative Audiology
Fall, 3(3-0) P:M: ASC 344
Fundamental aspects of auditory rehabilitation. Individual and group amplification systems, auditory training, speechreading, and counseling with children and adults.

453 Mind-Body Communication
Fall, Spring, 3(3-0) R: Not open to freshmen or sophomores.
Beliefs, thoughts, and emotions affecting the human body and behavior. Intrapersonal communication. Applications to health, education, business, and motor performance.

463 Intervention Procedures in Speech-Language Pathology
Spring, 3(3-0) P:M: ASC 364
Intervention procedures for individuals with developmental and acquired communication disorders.

473 Phonological Disorders in Children
Spring, 3(3-0) P:M: ASC 364
Phonological theory, speech perception and production, nature of normal and abnormal phonological development. Preparation of assessment and treatment plans. Application of treatment principles to different populations and cultural groups. Practice with narrow phonetic transcription of speech and phonological process-analysis.

483 School-Based Communication Disorders Programs
Spring, 3(3-0) P:M: ASC 463 or concurrently
Administrative and regulatory aspects of school-based programs for persons with communication disorders.

490 Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.
Individualized student activities in human communication sciences and disorders.

491 Topics in Communication Sciences and Disorders
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.
Varying topics related to normal or disordered communication.

494 Clinical Practicum in Communication Disorders
Fall, Spring, Summer. 2(0-4) A student may earn a maximum of 4 credits in all enrollments for this course. P:M: ASC394 and ASC463 RB: A minimum of 25 hours of approved clinical observation. Supervised clinical experiences. Work with individuals having speech, language and/or hearing disorders.

803 Research Methods in Communication Sciences and Disorders
Fall, Spring. 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Hypothesis generation, experimental design, data collection, data analysis and presentation.

813 Neuroanatomy and Neurophysiology of Speech, Language, and Hearing
Fall, Spring. 3(3-0) R: Not open to freshmen or sophomores.
Neuropathology, symptomatology, and speech-language rehabilitation of individuals with aphasia and related disorders.

823A Acquired Language Disorders
Spring, 3(3-0) P:M: ASC 813 R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Neuropathology, symptomatology, and speech-language rehabilitation of individuals with aphasia and related disorders.

823B Motor Speech Disorders
Fall, Spring. 3(3-0) R: ASC 813 R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Neuropathology, symptomatology, and speech-language habilitation and rehabilitation of individuals with motor speech disorders.

823C Voice Disorders
Spring, 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Etiology, symptomatology, diagnosis, and treatment of voice disorders in children and adults.

823D Fluency Disorders
Fall, Spring. 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences.
Audiology and Speech Sciences—ASC

823E Assessment of Childhood Language Disorders Fall 3(2-2) R: Open only to graduate students in the Department of Audiology and Speech Sciences. Evaluation of language disorders of preschool, school-aged, and adolescent populations.

823F Language Intervention: Early Stages Spring 3(3-0) RB: (ASC 823E) or approval of department. R: Open only to graduate students in the Department of Audiology and Speech Sciences. Principles of intervention in language disorders for children functioning at or below preschool levels, regardless of chronological age.

823G Language Intervention: Later Stages Summer 3(3-0) RB: (ASC 823E) or approval of department. R: Open only to graduate students in the Department of Audiology and Speech Sciences. Principles of intervention in language disorders for school-age children and adolescents functioning above preschool levels.

823I Cognitive-Communicative Disorders Spring 3(3-0) P:M: ASC 813 and ASC 823A and ASC 823B Neuropsychological, speech-language, cognitive, neuropsychological, and social/emotional rehabilitations associated with traumatic brain injury, dementia, and right hemisphere neurological disorders.


823K Assessment and Treatment of Dysphagia Summer 3(3-0) P:M: ASC 813 RB: ASC 823A and ASC 823C Introduction to assessment, intervention, and management of persons with swallowing disorders.

823L Counseling in Communication Disorders Summer 3(3-0) P:M: ASC 364 or ASC 344 Overview of counseling issues related to communication disorders.

823X Augmentative Communication Spring 3(3-0) History and philosophy of augmentative communication. Assessment, system selection, and intervention considerations for aided and unaided systems. Synthesized voice output and micro-processor-based systems.

833 Auditory Psychophysics Spring 3(3-0) RB: ASC 803 Psychophysical theory and methods as applied to the study of hearing phenomena.

843A Diagnostic Audiology I Fall 3(3-0) RB: ASC 344 and ASC 443 R: Open only to graduate students in the Department of Audiology and Speech Sciences. Behavioral audiological assessment of the peripheral and central auditory system.

843B Diagnostic Audiology II Spring 3(3-0) P:M: ASC 843A Electrophysiologic audiological assessment of the peripheral and central auditory system.

843C Hearing Amplification I Fall 3(3-0) P:M: ASC 843A or concurrently Hearing Amplification I: Advanced Historically and contemporary overview of personal amplification for individuals with hearing impairment. Theoretical and clinical strategies for evaluating and fitting contemporary hearing aids.

843E Pediatric Audiology Summer 3(3-0) P:M: ASC 843A and ASC 843B Audiologic diagnostic procedures for the pediatric population. Includes the impact of disabilities other than hearing loss.

843F Advanced Rehaabilitative Audiology Fall 3(2-2) P:M: ASC 443 RB: ASC 894A or ASC 894B R: Open only to graduate students in the Department of Audiology and Speech Sciences. Impact of hearing impairment on communication processes. History of and current practices in intervention for children and adults who have hearing impairment.

843G Medical Aspects of Audiology Fall 3(3-0) R: Open only to graduate students in the Department of Audiology and Speech Sciences. Nature and bases of hearing impairment, and management principles from a medical perspective.

843I Hearing Amplification II ASC 823B concurrently. Advanced theoretical and clinical strategies for evaluating and fitting contemporary hearing aids. Assistive-listening devices, classroom amplification, hearing-aid dispensing, and contemporary clinical and research issues in amplification.

843J Manual Communication for Clinical Settings Summer 3(3-0) P:M: ASC 344 Introduction to the use of manually coded English sign systems and Pidgin Sign English in diagnostic and treatment sessions.

890 Independent Study Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 15 credits in all enrollments for this course. R: Open only to master’s students in the Audiology and Speech Sciences major. Approval of department. Individualized study under faculty direction.

894 Research Practicum in Communication Sciences and Disorders Fall, Spring, Summer. 1 credit. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Audiology and Speech Sciences. Approval of department. Doctoral dissertation research.