Communication Sciences and Disorders (CSD)

Courses

CSD 223. Phonetics. 3 Credits.
Introduction to Phonetics. Includes articulatory descriptions of the speech sounds of English and other language, the International Phonetic Alphabet, coarticulatory phenomena, suprasegmentals, phonological features and phonological processes. Supervised practice in broad and narrow transcription of normal and disordered speech is provided. F.

CSD 231. Anatomy and Physiology of the Speech and Hearing Mechanism. 4 Credits.
Structure and function of the mechanisms involved in breathing, phonation, resonance, articulation and hearing. F.

CSD 232. Survey of Communication Disorders. 3 Credits.
Speech disorders: causes, symptoms, diagnosis and therapy of the common speech defects. F.

CSD 235. Speech and Hearing Science. 4 Credits.
An introduction to the normal processes of speech, hearing and language through the study of basic speech and hearing science exploring the scientific investigation of the physiological and acoustical parameters of speech. Prerequisites: CSD 231 and CSD 223, and MATH 103 or consent of instructor. S.

CSD 300. Normal Language Structure. 3 Credits.
The purpose of this course is to learn to analyze the grammar of English, focusing on morphology and syntax. The knowledge gained will serve as a foundation for the analysis of normal and impaired language. Prerequisite: ENGL 209 or equivalent. S.

CSD 343. Language Development. 3-4 Credits.
The nature and development of linguistic content, form, and use from birth to adulthood are studied relative to the development of communication and speech; relative to cognitive, social, and physical development; and relative to cultural diversity. Prerequisites or Corequisites: ENGL 209, PSYC 250, and CSD 340; or equivalents. F.

CSD 343L. Language Development Laboratory. 2 Credits.
Laboratory component of CSD 343. Prerequisite or Corequisite: CSD 343. F.

CSD 400. School Programs in Speech-Language-Hearing. 3 Credits.
This course covers the educational model of service delivery and how the speech-language pathologist works collaboratively in a school setting to meet the needs of students with speech, language, and hearing disabilities. Prerequisite: CSD 333 and CSD 343. F.

CSD 422. Neuroanatomy of Communication Disorders. 3 Credits.
A study of the essentials that form the basis for neuroanatomy, neurophysiology, neuropsychology, and neurology, with a special section of study dealing with the neurological bases for speech, language, and hearing. Prerequisite: CSD 231. S.

CSD 425. Language, Multiculturalism and Communication Disorders. 3 Credits.
Study of language structure and its interaction with culture from the perspective of the concept of world view, and the application of this relationship to the practice of speech-language pathology. Prerequisites: ENGL 209, CSD 223 and 343. Corequisite: CSD 440. F.

CSD 431. Introduction to Audiology. 3 Credits.
Elementary structure and function of the hearing mechanism; basic psychophysical dimensions of the auditory mechanism; types of deficient hearing; pure tone threshold and screening audiometry. Students are required to do hearing testing to qualify for certification in speech and hearing. Prerequisites: CSD 231 and CSD 225, and MATH 103. F.

CSD 434. Aural Rehabilitation. 3 Credits.
Principles, techniques and clinical practice in the diagnosis and rehabilitation of hearing disorders in children and adults; auditory training, speech reading and hearing conservation. Prerequisites: CSD 431 and CSD 343, or consent of instructor. S.

CSD 438. Craniofacial Anomalies. 3 Credits.
An introduction to medical genetics and craniofacial anomalies and syndromes, the etiology of these disorders, and the assessment and treatment of related feeding and communication disorders. Prerequisites: CSD 223, CSD 231 and CSD 333. S.

CSD 440. Language Disorders I. 3 Credits.
The course covers the causes, identification, assessment, and remediation of language disorders. The focus is on the phonological, semantic, syntactic, and pragmatic aspects of language disorders. Prerequisite: PSYC 241 and CSD 343. F.

CSD 441. Language Disorders II. 3 Credits.
The course integrates the concepts learned in Language Disorders I with the assessment and remediation of specific disorders. It includes a more in-depth analysis of special topics. General principles of diagnostic testing, including criterion and norm referenced assessment tools, are discussed. Prerequisite: CSD 440. S.

CSD 484. Clinical Practicum I: Speech-Language Pathology. 3 Credits.
An introduction to the clinical process and speech and language intervention. Includes supervised observation of clinical intervention. F,S,SS.

CSD 485. Clinical Practicum II: Speech Language and Pathology. 3 Credits.
Continuation of the content introduced in CSD 484 with increased emphasis on the clinical process and clinical skills. Includes supervised observation of direct clinical intervention. Prerequisite: CSD 484. F, S, SS.

CSD 489. Senior Honors Thesis. 1-8 Credits.
Supervised independent study culminating in a thesis. Repeatable to 9 credits. Repeatable to 9 credits. F, S, SS.

CSD 497. Special Problems in Communication Disorders. 1-3 Credits.
A study of the application and emerging data in the area of clinical assessment and management of speech disorders, language disorders, or disorders of hearing, in children and adults with communication impairments. May be repeated as topics change. Prerequisite: Consent of instructor. Repeatable. On demand.

CSD 501. Seminar in Speech-Language Pathology and Audiology. 1-3 Credits.
Research methods in Speech-Language Pathology and Audiology. Steps in research before data analysis is undertaken. Culminates in a research proposal.

CSD 530. Audiology for SLPs. 1 Credit.
Diagnosis and management of auditory disorders. Prerequisites: CSD 431 and CSD 434. F, SS.

CSD 532. Neurogenic Communication Disorders I. 3 Credits.
Study of the representation or organization of language in the human brain as determined by multidisciplinary techniques such as neuroimaging, electrical stimulation mapping, etc. Includes aphasia and communication disturbance in adults following traumatic injury to the brain, and also clinical management. Prerequisites: CSD 231 and CSD 422.

CSD 533. Investigations in Child Language. 3 Credits.
Student formulation of questions and concerns about normal and disordered child language which are studied through a search of pertinent literature and through observation and analysis of children's linguistic production. Prerequisites: CSD 343.

CSD 534. Advanced Speech Sound Disorders. 2 Credits.
Advanced knowledge of articulation and phonological disorders; skills needed to assess and treat individuals with these disorders. Emphasis on childhood apraxia, velopharyngeal disorders, cognitive disorders, hearing loss, tongue thrust, dialectal differences, dysarthrias in children, and phonemic disorders concurrent with language disorders. Prerequisites: CSD 333 or equivalent. S.

CSD 536. Stuttering Intervention. 2 Credits.
A study of the theoretical bases for and the clinical management of stuttering in children and adults.
CSD 538. Management of Phonatory Disorders. 3 Credits.

CSD 542. Neurogenic Communication Disorders II. 3 Credits.
Assessment and intervention strategies for children with traumatic brain injury, cerebral palsy, fetal alcohol syndrome and developmental apraxia. Includes evaluation for and application of augmentative and alternative communication devices.

CSD 550. Motor Speech Disorders. 2 Credits.
The study of control and damage of speech production related to neurological diseases and injuries. Includes assessment and intervention strategies for adults with motor speech disorders such as dysarthria and apraxia of speech. Prerequisites: CSD 532 and CSD 542. SS.

CSD 551. Dysphagia. 2 Credits.
The study of normal and abnormal swallowing, swallowing disorders in children and adults including assessment and intervention strategies. Prerequisites: CSD 532 and CSD 542. F.

CSD 553. Swallowing Disorders. 2 Credits.
Prerequisites: CSD 422 and CSD 542; or equivalents.

CSD 572. Neurogenic Communication Disorders IV. 3 Credits.
A study of cognitive and communication deficits that accompany right hemisphere damage, as well as traumatic brain injury, their diagnosis and management. Prerequisites: CSD 422 and CSD 532.

CSD 580. Interprofessional Health Care. 1 Credit.
The purpose of the course is to learn to work effectively in an interdisciplinary health care team, using a shared patient-centered approach. Students work with other team members from physical therapy, nursing, occupational therapy, medicine, social work, clinical lab science, and dietetics. Case studies using problem-based learning techniques are the primary teaching strategy. S/U grading.

CSD 583. Evaluation and Service Delivery. 3 Credits.
The study of: 1) the underlying principles and philosophies of evaluation in speech-language pathology, including interviewing, administering and interpreting diagnostic tests and protocols, and client counseling; and 2) the concepts and principles of service delivery including creative problem solving, decision making, collaboration, and management of services.

CSD 584. Advanced Clinical Practicum. 1-16 Credits.
Provision of clinical services to individuals with communication disorders under the supervision of an ASHA certified supervisor. Placement will be the UND Speech-Language-Hearing Clinic or a departmentally-approved external site. Prerequisites: CSD 485 and consent of instructor. Repeatable.

CSD 585. Practicum in the School Setting. 1-16 Credits.
Supervised practicum in a University-approved cooperating school. Prerequisites: Graduate standing and consent of department. Repeatable to 16 credits. F,S.

CSD 586. Advanced Clinical Practicum: Audiology. 1-16 Credits.
The administration and interpretation of tests and procedures for evaluation of human auditory functioning: practice involving interviews, case histories and client counseling.

CSD 592. Research Design in Speech and Hearing Sciences. 3 Credits.
The use of speech science instrumentation and data collection and analysis in human speech, language and hearing. Prerequisites: CSD 541 and 543.

CSD 595. Research Problems in Speech-Language Pathology-Audiology. 1-3 Credits.
A. Speech-Language Pathology, B. Audiology. Prerequisite: Consent of instructor. Repeatable.

CSD 597. Special Problems in Communication Disorders. 1-3 Credits.
An examination of special topics in communication disorders. Prerequisite: Consent of instructor. Repeatable.

CSD 996. Continuing Enrollment. 1-12 Credits.
Repeatable. S/U grading.

CSD 997. Independent Study. 2 Credits.

CSD 998. Thesis. 1-9 Credits.
Repeatable to 9 credits.

CSD 999. Dissertation. 1-12 Credits.
Repeatable to 18 credits.