C D-COMMUNICATION
DISORDERS (C D)

C D 221. Introduction to Communication Disorders
3 Credits
Basic information about speech, language, and hearing disorders; orientation to the professions of speech-language pathology and audiology.

C D 301. Language Acquisition
3 Credits
This course introduces students to the study of the development of language, speech, and communication. Includes language sampling. May be repeated up to 3 credits. Crosslisted with: C D 509. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221; Cumulative GPA of 3.2 or higher.

C D 322. Anatomy and Physiology of Speech Mechanisms
3 Credits
Structure and function of systems underlying human speech sound production and processing, including respiratory, phonatory, and articulatory components. May be repeated up to 3 credits. Crosslisted with: C D 502. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, C D 323, C D 422, C D 324, and C D 301; and minimum 3.2 GPA.

C D 323. Phonetics
3 Credits
The science of phonetics, including work with the International Phonetic Alphabet. Taught with C D 501. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221; Cumulative GPA of 3.2 or better.

C D 324. Introduction to Speech Science
3 Credits
Basic concepts and theories in acoustics, speech production and speech perception. Includes laboratory experience with instrumental measurement and analysis of speech systems. May be repeated up to 3 credits. Crosslisted with: C D 503. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, C D 323, C D 422; and minimum 3.2 GPA.

C D 325. Language Disorders
3 Credits
Prerequisite(s): C- or better in C D 221.

C D 326. Clinical Methods and Procedures
3 Credits
Guidelines and procedures associated with the clinical and supervisory processes. Provide opportunities to complete the supervised clinical observation requirement for participation in clinical practicum. May be repeated up to 3 credits. Crosslisted with: C D 506. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, C D 323, C D 422, C D, 324, C D 301; and minimum 3.2 GPA.

C D 374. American Sign Language I
3 Credits
Introduction to the basics of ASL including questions, commands, sentence types, time, subjects and objects, classifiers, locative case, pluralization, and temporal and distributional aspects.

C D 375. American Sign Language II
3 Credits
Continuation of C D 374, ASL I. Emphasis on ASL grammar, spatial referencing, detailed descriptions, and deaf culture. Features dialogues, short stories, narratives.
Prerequisite: C D 374 or consent of instructor.

C D 421. Speech and Language Disorders
3 Credits
Bases, symptoms, etiologies, and clinical management of issues related to disorders of articulation, phonology, voice and resonance, and fluency. May be repeated up to 3 credits. Crosslisted with: C D 504. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, C D 323, C D 422, C D 324, and C D 301; and minimum 3.2 GPA.

C D 422. Audiology
3 Credits
Anatomy and physiology of the auditory system, bases of auditory disorders, and basic audiometric procedures. May be repeated up to 3 credits. Crosslisted with: C D 507. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, and a minimum of 3.2 GPA.

C D 423. Neural Bases of Communication Disorders
3 Credits
Study of the neuroanatomy and neurophysiology of communication and communication disorders. Includes review of the central nervous system and peripheral nervous system relationship to speech motor control, language, and hearing. May be repeated up to 3 credits. Crosslisted with: C D 510. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, C D 301, C D 323, C D 422, C D 324, C D 421, C D 322, C D 326 and minimum 3.0 GPA.

C D 424. Aural Rehabilitation
3 Credits
Overview of hearing aids and amplification devices including cochlear implants. Review of the bases and psychosocial aspects of hearing loss. Clinical management of hearing loss consistent with ASHA's scope of practice for SLPs. May be repeated up to 3 credits. Crosslisted with: C D 508. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, C D 323, C D 422, C D 324, C D 301, C D 421, C D 322, C D 326; and minimum 3.2 GPA.

C D 425. Professional Reasoning and Scientific Thinking
3 Credits
Overview of constructive thinking, problem solving, and decision making theories and strategies associated with professional reasoning and scientific thinking that are to be used academically and clinically in the transition from student to scholar to professional. Taught with C D 593. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): B or better in C D 221, C D 323, C D 422, C D 324, C D 301, C D 421, C D 322, C D 326, and a minimum cumulative GPA of 3.2.

C D 476. American Sign Language III
3 Credits
Continuation of C D 375, ASL II. Focus on more complex grammatical features. Students will comprehend and generate medium length stories, narratives, and discussions including culturally significant topics.
Prerequisite: C D 375.
Prerequisite(s): a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 502. Anatomy and Physiology of Speech Mechanisms
3 Credits
Structure and function of systems underlying human speech sound production and processing including nervous, respiratory, and articulatory components. Restricted to majors. Same as C D 380 with differentiated assignments for graduate students.
Prerequisites: a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 503. Speech Science
3 Credits (2+3P)
Basic concepts and theories in acoustics, speech production, and speech perception. Laboratory experience with instrumental measurement and analysis of speech systems. Restricted to majors. Same as C D 370 with differentiated assignments for graduate students.
Prerequisites: a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 504. Speech and Language Disorders
3 Credits
Prerequisites: B or better GPA.

C D 505. Research Methods
3 Credits
Introduction to basic qualitative, quantitative, and single subject research methodology in speech-language pathology and audiology. Restricted to majors.
Prerequisites: a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 506. Clinical Methods and Procedures
3 Credits
Guidelines and procedures associated with the clinical and supervisory processes. Provide opportunities to complete the supervised clinical observation requirement for participation in clinical practicum. Differentiated assignments for graduate students. Taught with C D 326. Restricted to: C DS, C D majors.
Prerequisites: B or better GPA.

C D 507. Audiology
3 Credits
Anatomy and physiology of the auditory system, bases of auditory disorders, and basic audiometric procedures. Differentiated assignments for graduate students. Taught with C D 422. Restricted to: C D, C DS majors.
Prerequisites: Minimum of 3.0 GPA.

C D 508. AURAL REHABILITATION
3 Credits
Prerequisites: Minimum 3.0 GPA.

C D 509. Language Acquisition
3 Credits
Normal development of communication across the age span. Includes language sampling and analysis. A minimum grade of B- in all graduate courses and a minimum overall GPA of 3.0 required. Taught with C D 360 with differentiated assignments for graduate students. Restricted to CD majors and LING majors majors.

C D 510. Neural Bases of Communication Disorders
3 Credits
Study of the neuroanatomy and neuropsychology of communication and communication disorders. Includes review of the central nervous system and peripheral nervous system relationship to speech motor control, language, and hearing. Crosslisted with: C D 423. Restricted to: CD, CDS majors.

C D 521. Professional Issues and Multicultural Practices in Communication Disorders
3 Credits
This course includes a range of topics pertinent to students entering professional practice as speech-language pathologists including current legal, cultural, ethical, and clinical service provision issues. Restricted to: C DS, C D majors.
Prerequisites: Minimum of 3.0 GPA.

C D 522. Interpreter Workplace Skills in Communication Studies
1 Credit
The purpose of this course is to identify principles and procedures necessary to be an effective interpreter and to use an interpreter in the field. Speech, language, hearing and swallowing disorders. Students will identify the history the use of interpreters, the interpreting process, bilingual vocabulary appropriate for the scope of practice in the field, bilingual assessment principles, second language learning principles and multicultural aspects to consider in the interview and interpreting process. The students will engage in several interpreter scenarios for interview, assessment and intervention cases. Restricted to: C D majors.
Prerequisites: Minimum of 3.0 GPA.

C D 523. Assessment of Communication Disorders
3 Credits
Diagnostic theories and management of communication disorders using standardized and descriptive methodology. Includes the practice of interviewing, testing, and oral and written reporting. Restricted to: C DS, C D majors.
Prerequisites: A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 525. Pediatric Language and Disorders
3 Credits
Normal communication development of neonates, infants, toddlers, and preschooleers; etiologies, and treatment of cognitive, linguistic and social elements of communication problems in family systems. Restricted to majors.
Prerequisites: minimum grade of B- and an overall GPA of 3.0 or higher.

C D 530. School Age Language and Disorders
3 Credits
Normal communication-learning development of elementary, secondary, and postsecondary students; etiologies, diagnosis, and treatment of interpersonal communication and language-based academic disorders. Restricted to majors.
Prerequisites: a minimum grade of B- in all graduate courses and an overall GPA of 3.0 or higher.
C D 535. Aphasia & Cognitive Linguistic Disorders
3 Credits
Etiologies, diagnosis, assessment, and treatment of adult aphasia and cognitive-linguistic disorders. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 541. Advanced Spanish Morpho-Syntax for Education Professionals
3 Credits
This class has been designed for Heritage Speakers of Spanish who work in educational settings. It will cover the essential linguistic theory and fundamental structures of the Spanish language. This includes, but is not limited to, verb morphology, morphosyntactic and syntactic structures. The main goal of this course is to determine what usages fall within the norms of an individual's speech community, or if there are elements that fall outside those norms.
Prerequisite(s): Students have to be fluent in Spanish as course will be conducted in Spanish.

C D 542. Articulation and Phonological Disorders
3 Credits
Advanced study of the symptoms, etiologies, assessment, and clinical management of articulation and phonological disorders including cleft palate and disorders of resonance. Restricted to: C DS,C D majors.
Prerequisite(s): A minimum grade of B- in all graduate courses and a minimum overall GPA of 3.0 is required.

C D 545. Introduction to Augmentative and Alternatice Communication
3 Credits
Assessment and intervention for children and adults with developmental disabilities; Alternative communication strategies and systems for individuals with severe speech and/or language impairments. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): Graduate standing; overall GPA of 3.0.

C D 547. Cognitive-Linguistic Communication Disorders
3 Credits
Topics include attention, memory, executive function, and underlying neuropathologies, with emphasis on assessment, diagnosis, prognosis, treatment and recovery processes in cognitive communication disorders related to traumatic brain injury, dementia, and right hemisphere brain damage. May be repeated up to 3 credits. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0.

C D 548. Best Practices in Bilingual/Multicultural Assessment for Practitioners
3 Credits
The purpose of this course is to provide future speech-language pathologists, educational diagnosticians and special educators with a foundation for evaluating the linguistic, cognitive and academic skills of students from any cultural linguistic background. The course covers a review of the literature on best practices for working with interpreters during assessments. Practitioners will be expected to gather qualitative information about cultural/linguistic and educational histories of school-age children and integrate those results with the results of standardized tests.
Prerequisite(s): C D 594.

C D 555. Instrumentation in Communication Disorders
2 Credits
This course will provide graduate students with information regarding the purpose and operation of a variety of perceptual assessment and instrumental tools for the evaluation and treatment of voice, fluency, and resonance disorders. Restricted to: C D majors.

C D 574. American Sign Language III
3 Credits
Continuation of ASL II. Focus on more complex grammatical features. Students will comprehend and generate medium length stories, narratives, and discussions including culturally significant topics.
Prerequisite: C D 375 or consent of instructor.

C D 583. Dysphagia
3 Credits
Study of the anatomy and physiology of swallowing and upper aerodigestive systems. Review of the bases and etiologies of child and adult swallowing disorders, including diagnosis, assessment, and treatment. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 584. Fluency Disorders
3 Credits
Speech fluency development and the disorders of stuttering, cluttering, and neurogenic dysfluency. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 585. Motor Speech Disorders
3 Credits
Advanced studies of dysfunction of the nervous system that affect speech. Includes evaluation, diagnosis, and treatment of speech apraxias and dysarthrias. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 586. Voice Disorders/Head and Neck Anomalies
3 Credits
Advanced studies of anatomy and physiology of the vocal tract with emphasis on diagnosis, assessment, and treatment of voice disorders, laryngectomy, cleft palate, and other oral-facial anomalies. Restricted to: C DS,C D majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 587. Cleft Palate and Syndromes
2 Credits
An advanced study of etiology, assessment and treatment of craniofacial anomalies with a focus on the effects of clefts of the lip and/or palate on speech, resonance and velopharyngeal dysfunction. Review of the contribution of interdisciplinary cleft palate team care managing feeding, audiologic, surgical, orthodontic, and psychosocial aspects. General review of embryology and common syndromes with associated speech, language, and hearing disorders. Consent of Instructor required. Restricted to: C D,C DS majors.
Prerequisite(s): A course grade of B or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 589. Practicum in Speech-Language Pathology
1-4 Credits (1-4)
Supervised clinical practice in a variety of speech, language, and hearing disorders. Practicum includes diagnostic, treatment, and management work through direct patient/client contact. Attendance at weekly clinical staff meetings is required. May be repeated for a maximum of 15 credits. Restricted to majors.
Prerequisite: good standing in the graduate school; a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.
C D 590. Clinical Education
1 Credit
This course is specifically designed to target the knowledge base necessary to initiate clinical practicum in the CD Program. The learning objectives are based upon the Council of Academic Accreditation in Audiology and Speech-language Pathology (CAA) standards and knowledge areas. These learning outcomes are developed to assist students in clinical practicum and are specific to the services provided to clients of the NMSU Edgar R. Garrett Speech and Hearing Center. Restricted to: C DS,C D majors.
Corequisite(s): C D 589.

C D 591. Special Topics
1-9 Credits
Individual and/or group study of special topics identified by subtitle. May be repeated for a maximum of 9 credits.
Prerequisite: prior arrangement with faculty; a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 593. Professional Reasoning and Scientific Thinking
3 Credits
Overview of constructive thinking, problem solving, and decision making theories and strategies associated with professional reasoning and scientific thinking that are to be used academically and clinically in the transition from student to scholar to professional. Restricted to majors. Same as C D 393 except for differentiated assignments for graduate students.
Prerequisites: a course grade of B- or higher in all graduate courses and an overall GPA of 3.0 or higher.

C D 599. Master’s Thesis
15 Credits
Thesis.

C D 640. Externship in Communication Disorders
3-9 Credits (3-9)
This course is designed to provide opportunities for the developing clinician to provide treatment to and evaluations for clients in a full term externship experience under the supervision of a licensed SLP. May be repeated up to 9 credits. Consent of Instructor required. Restricted to: C DS,C D majors.