COMMUNICATIVE DISORDERS (C D)

C D 300 Human Communicative Disorders (Units: 3)
Prerequisite: Upper division standing.

Communicative development and disorders; processes and models; language universals; basis of language; speech, language, and hearing impairments; family and cultural influences; bilingualism and dialectal variations; evaluation of communicative effectiveness. Communicative Disorders majors must earn a C- or better to advance in the major.

Course Attributes:
- UD-D: Social Sciences
- Social Justice

C D 651 Anatomy and Physiology of the Speech Mechanism (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; a course in area B1: Physical Science (Physics or Chemistry is strongly recommended), a course in Statistics (including MATH 124 or PSY 171 or ISED 160), a course in biological science in one of the following areas: human or animal biology, human anatomy and physiology, neuroanatomy and neurophysiology, human genetics, or veterinary science, and a course in social/behavioral sciences in one of the following areas: psychology, sociology, anthropology, or public health. Concurrent enrollment in C D 652 and C D 655.

Normal structures and functioning of respiration, phonation, resonation, and articulation. Communicative Disorders majors must earn a C- or better in this course in order to advance in the major. (Plus-minus letter grade only)

C D 652 Audiology (Units: 3)
Prerequisites: Restricted to Communicative Disorders major; a course in area B1: Physical Science (Physics or Chemistry is strongly recommended), a course in Statistics (at SF State, courses include MATH 124 or PSY 171 or ISED 160), a course in biological science in one of the following areas: human or animal biology, human anatomy and physiology, neuroanatomy and neurophysiology, human genetics, or veterinary science, and a course in social/behavioral sciences in one of the following areas: psychology, sociology, anthropology, or public health. Concurrent enrollment in C D 651 and C D 655.

Structure and function of the ear; sound related to hearing mechanism; causes, implications, and techniques of determination of hearing impairment. Communicative Disorders majors must earn a C- or better in this course in order to advance in the major. (Plus-minus letter grade only)

C D 654 Audiometry (Units: 3)
Prerequisites: Restricted to Communicative Disorders major; C D 300, C D 651, C D 652, C D 655, with grades of C- or better, or by advisement; concurrent enrollment in C D 658, C D 661, C D 680.

Pure tone and bone conduction hearing testing. Masking, immittance testing, electrophysiological testing, pediatric audiology, speech audiometry and public school hearing/conversation programs. (Plus-minus letter grade only)

C D 655 Dynamics of Communication Development (Units: 3)
Prerequisite: Upper division standing.

Exploration of the acquisition patterns of normal speech, language, and pragmatic behaviors. Theories of language development, phonology, morphology, syntax, and semantics. Language analysis with typically development children. (ABC/NC grading only)

Course Attributes:
- UD-D: Social Sciences

C D 656GW Diagnosis of Communicative Disorders - GWAR (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; ENG 214 with a grade of C- or better, C D 654, C D 658, C D 661, C D 680, or by advisement; concurrent enrollment in C D 657, C D 664.

Diagnosis of communicative disorders. Observation, language sample analysis, and distinctive feature analysis. (ABC/NC grading only)

Course Attributes:
- Graduation Writing Assessment

C D 657 Aural Rehabilitation (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; C D 654, C D 658, C D 661, C D 680, with grades of C- or better; or by advisement; concurrent enrollment in C D 658GW, C D 664.

Psychological, educational, and sociological implications of hearing loss. Aural rehabilitation: speech reading, auditory training, amplification, and speech conservation and/or improvement. (Plus-minus letter grade only) [Formerly C D 705]

C D 658 Communication Development and Disorders (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; C D 300, C D 651, C D 652, C D 655; concurrent enrollment in C D 654, C D 661, C D 680.

Language acquisition, disorders and their causes in school age children. Application of diagnostic and intervention techniques. (Plus-minus letter grade only)

C D 659 Articulatory and Phonological Disorders (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; C D 654, C D 658, C D 661, C D 680, or by advisement; concurrent enrollment in C D 663, C D 668.

Disordered articulation; accent/dialectal differences; normal phonological processes; phonological disorders and distinctive features. Practicum for diagnosis and therapy for articulation, phonological, and accent problems. (Plus-minus letter grade only)

C D 660 Communicative Disorders (Units: 3)
Prerequisite: Restricted to upper division Communicative Disorders major.

Voice disorders, adult neurogenic disorders, stuttering, cerebral palsy, and craniofacial anomalies. Etiology, pathology, diagnosis, and intervention techniques. (Plus-minus letter grade only)

C D 661 Neurolinguistics (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; C D 300, C D 651, C D 652, C D 655, with grades of C- or better; concurrent enrollment in C D 652, C D 658, C D 680.

Cortical and subcortical components of language processing; current research on the central nervous system and its application to speech, language, and hearing. (Plus-minus letter grade only)
C D 662 Audiometry and Aural Rehabilitation (Units: 3)
Prerequisite: Restricted to upper division Communicative Disorders majors; C D 656GW.

A seminar on the psychological, educational, and sociological implications of hearing loss with a focus on the basic principles of audiometry including pure tone air and bone conduction testing. Additional topics include speech audiometry, masking, pediatric evaluations, immittance audiometry, and neurophysiological measures of hearing. Aural Rehabilitation, including speech reading, auditory training, amplification, and speech conservation and/or improvement will be discussed for both adults and children. (Plus-minus letter grade only)

C D 663 Introduction to Augmentative/Alternative Communication (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; C D 656GW, C D 657, C D 664; or by advisement; concurrent enrollment in C D 659, C D 668.

Introduction and applied experiences with augmentative and alternative communication, including low- and hi-tech systems. Assessment, team collaboration, funding and use of AAC such as designing systems that meet functional communication needs. (Plus-minus letter grade only) [CSL may be available]

C D 664 Clinical Phonetics (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; C D 654, C D 658, C D 661, C D 680; concurrent enrollment in C D 657, C D 656GW.

Speech sounds of American English and the development of phonology. IPA transcription experience applied with regard to human diversity. Not open to students who have taken COMM 410. (Plus-minus letter grade only)

C D 668 Typical and Atypical Social Communication Development (Units: 3)
Prerequisites: Restricted to upper division Communicative Disorders major; completion of C D 656GW and C D 664, C D 753; or by advisement; concurrent enrollment in C D 659 and C D 663 required.

Exploration of typical and atypical development of language use in social contexts, including expressing communicative intent, engaging in conversation and extended discourse, and cultural participation. Pragmatic and discourse analysis of talk in everyday interactions involving children. Diagnostic and intervention strategies. (Plus-minus letter grade only)

C D 680 Practicum in Communication Therapy (Unit: 1)
Prerequisites: Restricted to Communication Disorders major; concurrent enrollment in CD 654 for undergraduate students.

Supervised clinical experiences in communication rehabilitation for communicative disorders. May be repeated for a total of 10 units. Type of experience and number of units determined by advisement. (Plus-minus letter grade, RP)

C D 699 Independent Study in CD (Units: 1-3)
Prerequisite: Upper division standing or consent of instructor.

Study of a particular problem under the direction of a member of the department. Enrollment by petition approved by the instructor, adviser, and department chair. Open to regularly enrolled students only.

C D 701 Language Differences and Disorders in Children (Units: 3)
Prerequisite: Admission to Communicative Disorders program or consent of instructor.

Language disorders and differences in children. Verbal, written, signed, and other symbolic disorders; oral communication. Etiology, diagnosis, and assessment of differences and disorders; intervention strategies. (Plus-minus letter grade only) [CSL may be available]

C D 706 Counseling in Communicative Disorders (Units: 3)
Prerequisites: C D 701, C D 708, C D 709, C D 768.

Counseling of communicatively disordered individuals and their families. Theories and methods as they apply to the unique disorder. Experimental opportunities for analyzing individual counseling processes. (Plus-minus letter grade only)

C D 707 Advanced Seminar in Language Disorders in Children (Units: 3)
Prerequisites: Admission to Communicative Disorders program; C D 701 or consent of instructor.

Assessment, intervention, and organizational procedures for use with classes that include children of various ages with language disorders. (Plus-minus letter grade only)

C D 708 Neurogenic Disorders of Language (Units: 3)
Prerequisite: Admission to Communicative Disorders program or consent of instructor.

Theories and methods of assessment and rehabilitation of adults with aphasia; focus on the nature, diagnosis, and treatment of aphasia, bilingual aphasia, and primary progressive aphasia. (Plus-minus letter grade only)

C D 709 Seminar in Motor Speech Disorder (Units: 3)
Prerequisites: Admission to Communicative Disorders program; C D 651, C D 661, C D 753.

Differential diagnosis and management of motor speech disorders in children and adults, including the dysarthrias and apraxia of speech. (Plus-minus letter grade only)

C D 710 Seminar in Dysphagia (Units: 3)
Prerequisites: Admission to Communicative Disorders graduate program; C D 651, C D 661.

Nature, etiology, and physiology of normal and abnormal patterns of swallowing across the life span, with emphasis on adult population. Clinical swallowing assessment, modified barium swallow study and therapeutic intervention for dysphagia. Treatment and clinical decision-making emphasized. (Plus-minus letter grade only)

C D 711 Seminar in Therapy for Functional Communicative Disorders (Unit: 1)
Prerequisites: Admission to Communicative Disorders graduate program; concurrent enrollment in C D 880.

Communication therapy, functional speech and language disorders: articulation, delayed speech, and stuttering. Repeated with variable clinic experiences. Units co-vary with frequency of client-staff conference and time delivering more complex therapeutic treatment. May be repeated for a total of 4 units. (Plus-minus letter grade only)
CD 712 Medical Internship Seminar: Communicative Disabilities (Unit: 1)
Prerequisites: Admission to Communicative Disorders program; concurrent enrollment in CD 882, CD 884.
Seminar and peer discussion during hospital or medical intern placement. Review of clinical practices related to speech-language pathology in the evaluation, intervention, and interaction and personal qualities in the treatment of clients/patients. (Plus-minus letter grade only)

CD 713 Seminar in Therapy for Organic Communicative Disorders (Unit: 1)
Prerequisites: Admission to graduate program; CD 663 or equivalent; concurrent enrollment in CD 880.
Communication therapy with speech and language disorders resulting from central nervous system or organic dysfunction. Repeated with variable clinic experiences. Units co-vary with frequency of client-staff conferencing and more complex therapeutic treatment. May be repeated for 3-9 units. (Plus-minus letter grade only)

CD 715 Advanced School Internship (Units: 6)
Prerequisites: Graduate standing in Communicative Disorders; concurrent enrollment in CD 725.
Participate in all professional roles of speech-language pathologist in community and school settings. Open only to graduate students in Communicative Disorders who have completed all prerequisite coursework, determined by advisor. (CR/NC grading only)

CD 725 School Intern Seminar: Communication Disabilities (Unit: 1)
Prerequisite: Student intern application approved by adviser and on file at least one semester prior to student intern placement.

CD 750 English Language Learning and Exceptionality (Units: 3)
Prerequisite: Graduate standing.
Examination and analysis of the processes of bilingual language acquisition; theories and techniques of assessment and intervention, situated within the contexts of home, classroom, family and community; home- and classroom-based strategies for the speech-language pathologist and classroom teacher. (Plus-minus letter grade only)

CD 753 Fluency and Voice Disorders (Units: 3)
Prerequisites: Admission to the Communicative Disorders graduate program; CD 768.
Causes of stuttering, current theories and therapies relative to stuttering in children and adults. Habilitation and rehabilitation of children and adults with organic and non-organic voice disorders. (Plus-minus letter grade only) [Formerly CD 653]

CD 756 Right Hemisphere Syndrome, TBI, Dementia in Communicative Disabilities (Units: 3)
Prerequisite: CD 708 or consent of adviser.
Discussion of right hemisphere, brain dysfunction, acquired and traumatic brain injuries, and dementia; an understanding of assessment tools, interpretation of results, report writing, and treatment; and different service models. (Plus-minus letter grade only)

CD 768 Advanced Clinical Skills (Units: 3)
Prerequisites: Admission to Communicative Disorders program; CD 668; or consent of instructor.
Analysis of fundamental, transitional, and complex skills that have been shown to positively affect treatment outcomes in the practice of speech-language therapy. (Plus-minus letter grade only)

CD 880 Advanced Communication Therapy (Units: 2)
Prerequisite: CD 668 or equivalent.
Supervised clinical methods and practice in communication rehabilitation. May be repeated for a total of 10 units.

CD 881 Internship in Communicative Disorders I (Units: 3)
Prerequisite: Consent of major adviser.
Pre-internship in practicum settings: hospitals, private and public service agencies providing audiology and speech pathology therapies.

CD 882 Advanced Medical Internship (Units: 6)
Prerequisite: Graduate standing in Communicative Disorders; concurrent enrollment in CD 712.
Participate in all professional roles of speech-language pathologist in community and medical settings. Open only to graduate students who have completed all prerequisite coursework, determined by advisor. (Plus-minus letter grade only)

CD 884 Advanced Diagnosis in Communicative Disorders (Units: 3)
Prerequisites: 4 units of CD 880, CD 756, and consent of clinic supervisor.
Supervised clinical diagnosis of communicative disorders.

CD 896EXM Culminating Experience Examination (Units: 0-3)
Prerequisites: Consent of instructor, committee chair, and approval of Advancement to Candidacy (ATC) and Culminating Experience (CE) forms by Graduate Studies. ATC and Proposal for Culminating Experience Requirement forms must be approved by the Graduate Division before registration.
Enrollment in 896EXAM required for students whose culminating experience consists of an examination only. Not for students enrolled in a culminating experience course numbered CD 898. (CR/NC, RP)

CD 898 Master's Thesis in Communicative Disorders (Units: 3)
Prerequisites: Consent of instructor and graduate major adviser; approval of Advancement to Candidacy (ATC) and Culminating Experience (CE) forms by Graduate Studies. ATC and Proposal for Culminating Experience Requirement forms must be approved by the Graduate Division before registration. (CR/NC grading only)

CD 899 Independent Study (Units: 1-3)
An intensive study of a particular problem in communicative disorders under direction of a member of the department. Enrollment by petition. Open to regularly enrolled students only.