

Graduate Course Descriptions 2003

CDSc 421 Diagnosis of Speech and Language Disorders

Designed to increase knowledge regarding evaluation procedures and to increase the rationale for appropriate test selection to evaluate specific speech and language characteristics of children and adults. Interviewing techniques, case history, goal setting, and report writing will also be included. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span and in culturally diverse populations. Credits: 3(3-0). Offered every summer

CDSc 423 Craniofacial Anomalies

Etiology, types, associated problems, measurement of speech characteristics and therapeutic considerations for children and adults with cleft palate are considered in detail. Other craniofacial disorders involving oral structures, such as glossectomy, are also considered as they affect speech. Attention is given to surgical, orthodontic, and prosthetic treatment for remediation of the physical anomalies. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered every summer

CDSc 434 Neurological Bases of Communication

Anatomy and physiology of the central and peripheral nervous system will be described with emphasis on the neurological mechanisms involved in the productive and receptive aspects of human communication. Consideration will be given to various neuropathologies including brain, spinal cord, and cranial nerve lesions affecting human communication. 3(3-0). Offered every spring.

CDSc 435 Research Design in Communicative Disorders

Scientific principles of research are considered, with a focus on evaluation of the internal and external validity of various designs and the organization and analysis of empirical data. Application of these principles is made through review and analysis of current research in communication sciences and disorders. Credits: 3(3-0). Offered every fall

CDSc 436 Communicative Disorders Research

Students complete the NIH Human Participant Protection education for Research Teams online and then participate in the design, execution, and analysis of an empirical research project in communicative disorders under faculty supervision in the departmental laboratory or clinic. Prerequisite: Credits: 3(1-4). Offered every semester

CDSc 443 Linguistic Phonological Disorders

An in-depth study of childhood linguistically rule-based phonological disorders. Emphasis is on causes and characteristics, formal and informal assessment, and structured and conversational intervention. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span and in culturally diverse populations. Credits: 3(3-0). Offered every spring

CDSc 445 Severe Language Impairment and AAC

An in-depth study is made of formal and informal language assessment and intervention procedures (including augmentative/alternative communication) for preverbal and early verbal individuals, with emphasis on infants. Severe language delays and disorders are also discussed. Intervention techniques include essential presymbolic, social/communication and language skills, and augmentative/alternative modes of communication. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered every fall

CDSc 447 Language Disorders in Children

An in-depth study of childhood language disorders, emphasizing pragmatics, semantics, syntax, and morphology. After reviewing causes of and disorders related to language impairment and the characteristics of each, the course will present formal and informal assessment, and structured and conversational intervention. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span and in culturally diverse populations. Credits: 3(3-0). Offered every spring

CDSc 452 Pediatric Audiology

A comprehensive study is pursued of the current knowledge of the auditory problems of children. Emphasis is placed on the rationale, purposes, procedures, and techniques for the audiometric evaluation of children from birth to secondary school age. Audiological management of children with hearing impairment, in both regular and special classroom, will be considered. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span and in culturally diverse populations. Credits: 3(3-0). Offered alternate spring semesters

CDSc 455 Educational Audiology

Provides an intensive study of the problems that children with hearing impairments have in educational settings. Emphasis is placed on identification of hearing loss and middle ear disease in school populations, hearing conservation programs, classroom acoustics, educational amplification, assistive listening devices, speech and language problems of those with hearing impairment, and special and mainstreamed educational programming. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span and in culturally diverse populations. Credits: 3(3-0). Offered alternate spring semesters

CDSc 465 Hearing Problems

Consideration of anatomical and physiological consequences of various ear pathologies. The effects of these pathologies on perceptual measures of auditory behavior and physical measures of auditory function are then examined. Special consideration is given to hearing conservation programs in schools and in industrial and military settings. Credits: 3(3-0). Offered every fall

CDSc 470 Counseling in Communicative Disorders

Counseling principles and methodologies and their application to the field of communicative disorders are explored. The course will consider counseling theories, the role of the speech/language pathologist and audiologist as a counselor, and application of counseling approaches to various populations with communicative disorders. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span and in culturally diverse populations. Credits: 3(3-0). Offered every fall

CDSc 510 Speech Science and Audiology for Teachers of Persons with Hearing Impairment

The major topics of physical characteristics of speech and hearing mechanisms, the physical dimensions of sound, the psycho-acoustic aspects of sound, and standard audiological procedures are studied from the perspective of the teacher of persons with hearing impairment. Not available to graduate students in Speech Pathology and Audiology. Credits: 3(3-0). Offered every summer

CDSc 519 Fluency Disorders

History, etiological considerations, symptomatology, diagnosis, and therapy of fluency disorders are carefully analyzed. Research studies and modern published contributions to theory and therapy are studied. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered every spring

CDSc 522 Neurogenic Speech Disorders

Etiology, types, symptoms, and treatment of speech disorders caused by central nervous system diseases are considered in detail. Special consideration is given to the inter-disciplinary approach to treatment of communication problems of these individuals and to the use of augmentative communication systems. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered every fall

CDSc 526 Voice Disorders and Alaryngeal Speech

Types, etiologies, pathologies, restorative procedures, and therapy for voice disorders are considered. Special attention is paid to psychological factors contributing to certain voice problems. Laryngeal structure and function are studied and related to voice production with particular emphasis on acoustical research contributions. The teaching of alternative methods of communication for laryngectomized patients is also an integral part of the course. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered every summer

CDSc 527 Dysphagia

An in-depth study of the swallowing mechanism and of pediatric and adult swallowing disorders. This course emphasizes various etiologies, comprehensive assessment and intervention procedures and the role of the speech-language pathologist in a multidisciplinary team. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered every spring and fall

CDSc 533 Clinical Instrumentation in Speech Disorders

Normal and impaired speech processes involving respiration, phonation, resonance, articulation, and speech perception will be considered. Speech production and perception will be investigated by the class in the speech science laboratory. Hands-on experience with the instrumentation necessary for speech measurement will be included. Credits: 3(2-2). Offered every summer

CDSc 541 Adult Language Disorders

Designed to increase understanding of communication characteristics of adults with the primary focus on evaluation and treatment of adults with aphasia. Course content also includes other selected geriatric communication problems with neurological bases, historical background, current issues, family and patient conferencing, and team approach to staffing adults with communication problems. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered every fall

CDSc 545 Language Intervention with Persons with Severe Impairments

An in-depth study is made of formal and informal language assessment and intervention procedures for preverbal and early verbal individuals. Severe language delays and disorders are discussed as related to various disabilities, such as autism, mental retardation, and hearing impairment. Intervention techniques include essential presymbolic social/communication, and language skills, and augmentative modes of communication. Credits: 3(3-0). Offered every fall

CDSc 550 Advanced Clinical Audiology

An intensive study of differential diagnostic audiometry is pursued. Topics include pure tone and speech audiometry, masking, immittance (impedance and admittance) audiometry, and the battery for system (Bekesy, Tone Decay, SISI, and recruitment tests). Credits: 3(3-0). Offered when demand is sufficient

CDSc 551 Auditory Disorders

An intensive study of pathologies of the auditory system is pursued. Topics include conductive, sensory, neural, and central auditory disorders; functional hearing loss; and vestibular dysfunction associated with auditory disorders. Credits: 3(3-0). Offered when demand is sufficient

CDSc 553 Environmental Audiology

A detailed study of the effects of noise on humans is pursued with specific emphasis on the auditory mechanism. Topics include acoustic instrumentation (noise generators, control devices, measurement instrumentation, etc.), noise-induced hearing loss, federal and state noise regulations, community noise, industrial noise, and the development and implementation of damage risk criteria. Credits: 3(3-0). Offered when demand is sufficient

CDSc 554 Hearing Aids and Aural Rehabilitation

An intensive study of the history and development of hearing aids is pursued with an in-depth examination of the modern hearing aid as a tool in the aural rehabilitation of children and adults with hearing impairments. Topics include basic hearing aid function, performance standards, measurement of acoustical parameters, earmold acoustics, hearing aid selection procedures, the role of the audiologist in hearing aid dispensing, current laws and regulations, and specialty hearing aids (CROS, BICROS, Auditory Trainers, etc.). Prerequisite: CDSC 361 or equivalent. Credits: 3(3-0). Offered when demand is sufficient

CDSc 556 Electrophysiological Audiometry

A detailed study of the generation, measurement, and interpretation of electrophysiological potentials and responses used in the clinical assessment of auditory thresholds is pursued. Discussion centers on the types and characteristics of various electrophysiological auditory responses, especially electrocochleography, brain stem evoked responses, and the middle and late averaged electroencephalic responses. This course addresses issues pertaining to normal and abnormal human development and behavior across the life span. Credits: 3(3-0). Offered when demand is sufficient

CDSc 570 Seminar: (Topic)

Selected topics in speech-language pathology and audiology are presented. Topics are selected for discussion in accordance with changing demands of the field, new developments in assessment and intervention, and students' interests. May be taken more than once for credit. Grading is on S/U basis. Credits: 1(0-). Offered when demand is sufficient

CDSc 581 Clinical Practicum in Audiology

A variety of clinical experiences in audiology is obtained through assignment of cases in the College Speech and Hearing Clinic. Credits: 1(0-2). Offered every fall and spring

CDSc 582 Clinical Practicum in Speech-Language Assessment

A variety of clinical experiences in assessment of speech-language disorders is obtained through assignment of cases in the College Speech and Hearing Clinic. Graded on S/U basis. Credits: 1(0-2). Offered every fall and spring

CDSc 583 Clinical Practicum in Speech-Language Pathology

A variety of clinical experiences in remediation of speech-language disorders is obtained through assignment of cases in the College Speech and Hearing clinic. Grading is on S/U basis. Credits: 1(0-2). Offered every fall and spring

CDSc 585 Advanced Clinical Practicum in Speech Pathology

A wide variety of experiences is obtained through assignment of cases at various off-campus clinical affiliations. Credits: 3-6(3-6-0). Offered every fall and spring

CDSc 586 Advanced Clinical Practicum in Audiology

A wide variety of experiences is obtained through assignment of cases at various off-campus clinical affiliations. Credits: 3-6(3-6-0). Offered demand is sufficient

CDSc 587 Graduate Internship in Communication Disorders

An intensive clinical experience is obtained through assignment to an affiliated off-campus facility. Credits: 6(6-0). Offered every fall and spring

CDSc 620 Thesis Research

Investigation of an individual nature on a pertinent and important research area with special emphasis carried out under the guidance of a graduate advisor. Credits: 6(6-0). Offered by individual arrangement