

## **CD Communication Disorders**

### **CD 277 INTRODUCTION TO COMMUNICATION DISORDERS. (3)**

An introduction to disorders of speech, language, and hearing. The course includes definitions, symptomatology, etiologies, and basic intervention principles for these disorders.

### **CD 285 APPLIED PHONETICS. (3)**

Study of the phonetic structure of the English language with requirement of mastery of the International Phonetic Alphabet. Emphasis will be placed on phonetic transcription, and application will be made for students interested in communication disorders, communications, telecommunications, and theater.

### **CD 378 ANATOMY AND PHYSIOLOGY OF SPEECH. (3)**

A detailed investigation of structures and functions supporting speech production: respiration, phonation, articulation, and resonance. Neural bases of speech and language will also be introduced. Prereq: CODI major or permission of instructor.

### **CD 401 BASES OF HEARING. (3)**

Investigation of the anatomical, physiological, and neurological bases of hearing; physics of sound; and elementary psychoacoustics. Prereq: CODI major or permission of instructor.

### **CD 402 BASES OF SPEECH. (3)**

Provide basic information concerning the physics of sound and the scientific bases of human speech production and perception. The relationship between speech production and speech perception will also be addressed. Students will have exposure to instrumentation designed to increase understanding of human communication. Prereq: CODI major or permission of instructor.

### **CD 410 LANGUAGE DEVELOPMENT THROUGH THE LIFESPAN. (3)**

An introduction to the normal development of language in individuals from birth to advanced age. Topics include theories of language acquisition; prelinguistic development; development in each of the language domains (phonology, semantics, morphology and syntax, and pragmatics); the relationships between oral language, written language, and academic progress; and cultural differences. Prereq: CODI major or consent of instructor.

### **CD 420 AUDIOLOGY. (3)**

Introduction to symptomatology and etiologies of hearing impairment and principles of hearing assessment. Topics include: peripheral hearing impairment; central and nonorganic hearing impairment; screening for hearing impairment; hearing conservation; pure tone air and bone conduction threshold testing; basic speech audiometry; masking; audiometric calibration; and acoustic immittance screening. Prereq: CD 401 or consent of instructor; CODI majors only.

### **CD 481 CLINICAL EXPERIENCE IN COMMUNICATION DISORDERS.**

(3)

Supervised observation and shadowing of assessment and intervention to familiarize students with diagnostic and clinical services in communication disorders at various settings such as schools, clinics, long term care, home health, and/or hospitals. Lecture: 1 hour; laboratory: 4 hours per week. Prereq: CD 401, 402, and 410 or consent of instructor; CODI majors only.

CD 482 CLINICAL MANAGEMENT  
OF COMMUNICATION DISORDERS I. (3)

Introduction to remediation of speech disorders in individuals from birth through adulthood and from culturally and linguistically diverse backgrounds. Emphasis on strategies to deal with disorders in voice, fluency, and articulation. Prereq: CD 401, CD 402, and CD 410 or consent of instructor; CODI majors only.

CD 483 CLINICAL MANAGEMENT  
OF COMMUNICATION DISORDERS II. (3)

Introduction to remediation of language disorders in individuals from birth through adulthood and from culturally and linguistically diverse backgrounds. Emphasis on strategies to deal with disorders in child language, aphasia, and other language-based disorders, including Alzheimer's Disease and dementia. Prereq: CD 401, CD 402, and CD 410 or consent of instructor; CODI majors only.

CD 484 INTRODUCTION TO DIAGNOSTIC  
PROCEDURES IN SPEECH-LANGUAGE PATHOLOGY. (3)

Introduction to the principles, techniques, and tools used to develop and implement a diagnostic protocol. Prereq: CD 401, CD 402, and CD 410 or consent of instructor; CODI majors only.

CD 520 INTRODUCTION TO  
MANUAL COMMUNICATION. (2)

An introduction to manual communication systems, including American Sign Language and other commonly-used manual sign systems. Includes study of the characteristics and use of existing manual communication systems. Students will learn to code and decode sentences using a combination of signs and fingerspelling. Lecture: one hour; laboratory: two hours per week.

CD 521 NONSPEECH COMMUNICATION. (3)

Addresses the use of nonspeech communication systems with moderately to severely handicapped individuals. This course encompasses two basic components: 1) a lecture/discussion component which examines the full range of nonspeech communication systems, including evaluation and training considerations, and 2) a manual sign component which provides students with a basic functional receptive and expressive manual sign vocabulary. Prereq: EDS 375 or equivalent or permission of instructor.

CD 571 NEURAL BASES OF SPEECH,  
LANGUAGE, AND HEARING. (3)

Detailed investigation of the neuroanatomy and neurophysiology of speech, language, and hearing from a communication sciences perspective. Emphasis on anatomy and physiology of the central nervous system, neurodevelopment, and normal neural substrates involved in speech, language, and hearing. Prereq: CD 378 or permission of the instructor.

CD 610 ETHICS IN CLINICAL SCIENCES RESEARCH. (1)

Students will examine ethical issues in biomedical research using a case-study approach. Representative issues addressed may include data selection and retention, plagiarism, scientific review of grants and manuscripts, scientific misconduct, and informed consent. Prereq: Graduate student status. (Same as CLS/CNU/PT/RAS 610.)

CD 621 ALTERNATIVE AND AUGMENTATIVE COMMUNICATION. (3)

A detailed investigation of the use of augmentative and alternative communication systems with individuals with moderate to severe communication disorders. Participants will examine the full range of augmentative/alternative communication systems and the related assessment and intervention considerations. Prereq: EDS 375 or equivalent or graduate status in CODI or RHB, or consent of instructor.

CD 647 LANGUAGE DISORDERS IN DEVELOPMENTALLY YOUNG INDIVIDUALS. (3)

A detailed investigation of language disorders and language intervention in developmentally young populations. Includes an in-depth discussion of prevention strategies, service delivery models, assessment tools and paradigms, and intervention strategies. Provides practice in self-directed inquiry. Prereq: Graduate status in CODI or RHB or consent of instructor.

CD 648 LANGUAGE DISORDERS IN SCHOOL-AGE POPULATIONS. (3)

A detailed investigation of language disorders and language intervention in school-age populations. Includes an in-depth discussion of prevention strategies, service delivery models, related cultural diversity issues, and assessment and intervention principles and strategies. Prereq: Graduate status in CODI or RHB or consent of instructor.

CD 654 CLINICAL ORIENTATION IN COMMUNICATION DISORDERS. (3)

A lecture-laboratory experience designed to orient the student to the professional activities in speech-language pathology. Lecture, one hour; laboratory, four hours per week. Prereq: Graduate status in CODI or consent of instructor.

CD 655 ADVANCED DIAGNOSTIC PROCEDURES IN SPEECH-LANGUAGE PATHOLOGY. (3)

Study of the principles of assessment and a critical review of existing standardized and non-standardized assessment tools in the field of speech-language pathology. Emphasis on selection of assessment tools for clients from diverse ethnic backgrounds with a variety of communication disorders, administration of selected tools, and organization of diagnostic information. Prereq: CD 384 or permission of instructor; CODI majors only.

CD 657 CLINICAL PRACTICUM IN SPEECH-LANGUAGE PATHOLOGY. (1-3)

Experience with children and adults in the assessment and management of communication and swallowing disorders. Lecture, one hour; practicum, four hours per week. May be repeated to a maximum of 12 credits. Prereq: Graduate status in CODI, CD 481 or equivalent, and CD 654.

CD 659 CLINICAL ROTATION IN  
SPEECH-LANGUAGE PATHOLOGY. (1-12)

Supervised clinical experience in the evaluation and management of children and adults. Up to 40 laboratory hours per week (at site all day). May be repeated up to 36 hours. Prereq: Graduate status in CODI, successful completion of 6 hours of graduate clinical practicum and consent of instructor.

CD 661 PHONOLOGICAL DEVELOPMENT  
AND DISORDERS. (3)

A comprehensive course in phonological theory, assessment, and treatment. Advanced principles of diagnosis and remediation for patients across the age span and from culturally and linguistically diverse backgrounds. Prereq: Graduate status in CODI or RHB or consent of instructor.

CD 670 VOICE DISORDERS. (3)

Assessment and management of adults and children with disorders of voice and resonance. Includes laryngectomy. Prereq: Graduate status in CODI or RHB or consent of instructor.

CD 674 DISORDERS OF FLUENCY. (3)

Analysis, identification and management of fluency disorders. Prereq: Permission of instructor.

CD 677 NEUROGENIC  
COMMUNICATION DISORDERS I. (3)

Analysis, identification and management of acquired neurogenic disorders of language and cognition. Primary emphasis is given to aphasia, dementia, and right hemisphere dysfunction. Prereq: Graduate status in RHB or CODI or consent of instructor.

CD 678 NEUROGENIC  
COMMUNICATION DISORDERS II. (3)

Analysis, identification and management of neurogenic disorders of speech. Emphasis will be placed on clinical management of dysarthria, apraxia, and communication disorders following traumatic brain injury. Prereq: CODI major, RHB doctoral major or consent of instructor.

CD 691 AURAL REHABILITATION. (3)

Management strategies for people with hearing loss. Topics include: variables affecting hearing handicap; characteristics, selection, counseling, and orientation in regard to amplification systems; acoustic, perceptual and visual aspects of speech; assessment and management of problems resulting from hearing loss across the lifespan. Prereq: CD 420 or consent of instructor.

CD 701 RESEARCH METHODS  
IN COMMUNICATION DISORDERS. (3)

Principles and methods for designing research in communication sciences and disorders. Topics include: introduction to the scientific method, research designs, measurement techniques,

formulating research questions, writing and evaluating research reports, and ethics of research. Prereq: Graduate standing in Communication Disorders.

CD 748 MASTER'S THESIS RESEARCH. (0)

Half-time to full-time work on thesis. May be repeated to a maximum of six semesters. Prereq: All course work toward the degree must be completed.

CD 761 APPLIED PHONOLOGY:  
DEVELOPMENT AND DISORDERS. (3)

Critical review and discussion of clinical and developmental phonology research and phonological theories. Study of the bases for normal and disordered phonological development from birth through age twelve. Study of procedures for assessment and treatment of children with phonological disorders including the development of individualized remediation plans for expediting intelligibility gains. Course will include information regarding second language acquisition and oral and written language as these relate to phonological systems. Prereq: Admission to the Communication Disorders graduate program or the Rehabilitation Sciences Ph.D. program or consent of the instructor.

CD 768 RESIDENCE CREDIT  
FOR THE MASTER'S DEGREE. (1-6)

May be repeated to a maximum of 12 hours.

CD 771 DYSPHAGIA. (3)

This course includes a review of the anatomy and physiology of normal deglutition; the nature and characteristics of swallowing disorders; methods of evaluation and management of dysphagia in adults and children; and consideration of medical conditions such as aspiration pneumonia, tracheostomy, and other complicating factors associated with dysphagia. Also included is a brief review of professional issues relating to efficacy of treatment; third party reimbursement; and roles and responsibilities of other health care professionals in feeding and swallowing. Prereq: Admission to the Communication Disorders graduate program or the Rehabilitation Sciences Ph.D. program or consent of the instructor.

CD 772 ADVANCED SEMINAR IN APHASIA. (3)

Critical review of the literature in disturbances in symbolic behavior in adults resulting from a variety of etiologies. The course includes aphasia, as well as adult communication disorders associated with dementia, agnosia, right hemisphere injury, traumatic brain injury, and schizophrenia. Prereq: Admission to the Communication Disorders graduate program or the Rehabilitation Sciences Ph.D. program or consent of the instructor.

CD 775 SEMINAR IN LITERATE LANGUAGE. (3)

A review and discussion of the literature concerning literate language. Topics include: 1) characteristics of literate language; 2) differences between literate and oral language; 3) emergent literacy; 4) theories of the reading and writing processes; 5) components, development, strategies, and factors involved in typical reading and writing; 6) literate language and speaking; and 7) issues pertaining to atypical readers and writers. Prereq: Admission to the Communication Disorders graduate program or the Rehabilitation Sciences Ph.D. program or consent of the instructor.

CD 789 INDEPENDENT STUDY  
IN COMMUNICATION DISORDERS. (1-6)

Independent study for graduate students with an interest in a specific problem in communication disorders. May be repeated to a maximum of 12 credits. Lecture, 1-6 hours; laboratory, 2-12 hours per week. Prereq: Graduate status and consent of instructor.