COMMUNICATION DISORDERS

1051 Spoken American English (3) Prereq.: consent of instructor or international student counselor. Weekly individual work in the Speech Laboratory. Undergraduates only. Theoretical and practical treatment of pronunciation of American English for students of other languages; phonology, stress, intonation, and rhythm through drills, exercises, public speaking.

1080 Survey of Communication Science and Disorders (3) For students interested in the study/teaching of language. Anatomical, physiological, and behavioral bases of normal and disordered verbal communication.

2050 Introduction to Language (3) Linguistic study of the principal interrelated levels of language structure: phonetics, phonology, morphology, syntax, and semantics; related topics such as writing systems and dialects.

2590 Introduction to Material Communication (4) 3 hrs. lecture; 2 hrs. lab. Basic linguistic structure, educational and cultural aspects, and reading and transmitting messages in manual communication systems; American Sign Language as well as English-based systems.

2081 Introduction to Communication Disorders (3) Required initial course for undergraduates concentrating in speech pathology and audiology. Observations in Speech and Hearing Clinic required. Processes involved in speech production; definition, description, and incidence of speech and hearing disorders; overview of the profession, including agencies, related professionals, job opportunities, publications, professional associations, and certification.

4150 Phonetics (4) Prereq.: COMD 2050. 3 hrs. lecture; 1 hr. lab. Also offered as LNG 4150. Principles of phonemics; articulatory phonetics; description and classification of sounds; transcription at different levels of detail; production and perception.

4153 Acoustics of Speech and Hearing (3) Prereq.: COMD 2050 or equivalent. Also offered as LNG 4153. Production, transmission, and perception of speech acoustic energy in communication; acoustics of hearing problems in psychoacoustics.

4190 Introduction to Audiology (3) Prereq.: COMD 2081, 4153. Interaction of hearing and speech, effects of hearing loss on speech and language development, types of hearing loss and evaluation processes.

4250 Anatomy and Physiology of Speech and Hearing (3) Prereq.: BIOL 2160; COMD 2050. Functional anatomy of structures associated with speech production, articulation, and perception.

4380 Speech and Language Development (4) 3 hrs. lecture; 1 hr. lab. Language acquisition and behavior, language and cognitive development, verbal learning, and structural properties of speech; theories of language development in the normal child.

4381 Basic Articulation Disorders (3) Prereq.: COMD 2081, 4150. Introduction to articulatory physiology, development, etiology, evaluation and treatment of disorders.

4382 Basic Language Disorders of Children (3) Prereq.: COMD 4380 or equivalent and consent of instructor. Differential diagnosis and remediation of major language disorders of children.

4383 Basic Fluency Disorders (3) Prereq.: COMD 4381 or equivalent. For clinical practicum take COMD 4683, 4684, or 4685. Stuttering and allied disorders; emphasis on symptomatology, testing, rehabilitation and prevention.

4384 Basic Voice Disorders (3) Introduction to vocal physiology, dynamic characteristics and measurement of fundamental frequency, and differential diagnosis and management of voice disorders of functional and abuse etiologies.

4490 Audiological Assessment (3) Prereq.: COMD 2450, 4190. Practice and application in pure-tone and speech audiology; middle-ear measurements, differential diagnosis: physiological tests including auditory evoked potentials.

4590 Auditory Rehabilitation in Children (3) Prereq.: COMD 4153 and 4190. Methods of management including modes of communication, auditory and speech-reading training, amplification issues, early identification and intervention, and educational placement.

4681 Clinical Preparation and Observation Laboratory (1) S 2 hrs. lab. For majors in communication sciences and disorders. Study of clinic rules and procedures, codes of ethics; observation of various types of therapy and evaluation.

4682 Introduction to Clinical Practicum (2) F,S For majors in communication sciences and disorders. Techniques for test administration, therapeutic methods, report writing, counseling/conferencing, behavior management.

4683, 4684, 4685 Clinical Practice: Therapeutic Techniques (1-4 each) Prereq.: COMD 4381. May be taken for a max. of 8 sem. hrs. of credit each. On- and off-campus practicum in specific disorders (articulation, language, fluency, voice, hearing, etc.).

4694 Clinical Practicum in a Medical Environment (1-4) Prereq.: consent of instructor. Speech and/or audiology practicum in a hospital or medical practitioner's office.

4750 Independent Research in Speech Science or Linguistics (1-3) May be taken for a max. of 3 hrs. of credit. Also offered as LNG 4750. Readings in speech science or linguistics directed by a senior faculty member.

4751 Special Topics in Communication Disorders (3) Prereq.: consent of instructor. Special topics in communication sciences and disorders. May be taken for a max. of 6 hrs. undergraduate or graduate credit when topics vary.

7151 Speech Science (3) Motor and articulatory phonetics, including palatography, acoustic phonetics, and aspects of signal detection and perception.

7152 Instrumentation and Methods for Speech and Hearing (4) Prereq.: COMD 4153 or equivalent. 3 hrs. lecture; 2 hrs. lab. Instrumentation techniques for assessment and research in speech and hearing; both theory and application are emphasized.

7153 Research Design in Communication Science and Disorders (3) Prereq.: EXST 4001, 4006 or equivalent. Empirical research design problems in speech and hearing; emphasis on measurement validity and reliability.

7191 Hearing Science (3) Prereq.: COMD 4250. Auditory transmission and processing from the outer ear to the cortical area; psychophysical phenomena germane to human audition.

7192 Hearing Aids: Electroacoustics and Fitting (3) Prereq.: COMD 7191, 7490. Electroacoustic analysis of hearing aids, earmold acoustics, selection and evaluation procedures, special devices, and problems in communication and speech processing.

7280 Neuroanatomical Bases of Speech and Hearing (3) Prereq.: BIOL 2160 and COMD 4250 or equivalent. Study of neuroanatomy and physiology of the central nervous system as it relates to sensory/motor and cognitive processes underlying speech and hearing.


7381 Language and Learning Disorders (3) Prereq.: COMD 4382. Language disorders and the communicative aspect of language; current research and treatment models for language intervention; relationship between language and learning; emphasis on school-aged child.

7382 Voice Disorders (3) Prereq.: COMD 4384. Incidence, etiology, concomitant problems, assessment and management of vocal dysphonias, aphasia, and laryngectomies.

7383 Cleft Palate/Orofacial Disorders (3) Prereq.: COMD 4250, 4380. Orofacial anatomy, physiology, and embryology; etiology and classification of orofacial cleft; surgical, dental, speech, hearing, and psychosocial concomitants and their management.

7384 Early Communicative Intervention (3) Prereq.: COMD 4382 or equivalent. For clinical practicum, take COMD 7684 or 7685. Cognitive, social, and environmental conditions associated with "high risk" for communicative disorders; intervention approaches (prevention, evaluation, direct stimulation of child-caregiver interactions) and service delivery models (home-based, center-based).

7385 Neuropathologies of Speech (3) Prereq.: COMD 4250, 4381, and 7280; or equivalent. Physiological and anatomical bases of dysarthria, apraxia, and related speech disorders due to neuropathology in the adult population; emphasis on diagnosis, description, and clinical management.

7386 Introduction to Augmentative/Alternative Communication (3) Current issues, terminology, and technological developments; augmentative systems and system components, including various sign and symbol systems; augmentative communication assessment; intervention guidelines and procedures.
7387 Aphasia in Adults (3) Prereq.: COMD 7280 or equivalent and consent of instructor. Neurological bases of aphasia and related disorders; appropriate therapeutic methodologies.

7388 Fluency Disorders II (3) Prereq.: COMD 4383 or equivalent. Etiology and nature of speech fluency disorders.

7389 Communicative Rehabilitation of Severely/Multiply Handicapped Individuals (3) Medical bases of severely handicapping conditions; alternate communication systems; assessment and intervention processes; pragmatics of interpersonal communication involving individuals who use nonspeech modalities.

7390 Industrial Audiology and Hearing Conservation (3) Prereq.: COMD 7490. Audiological practices in industry and hearing conservation programs; professional, technical, business, and legal issues.

7391 Educational and Pediatric Audiology (3) Prereq.: COMD 7490. Identification and management of the young child; social and psychological concomitants of auditory disorders; genetic hearing loss and other high risk types of impairment related to hearing.

7393 Pathology of the Auditory System (3) Prereq.: COMD 4250, 7191, 7490. Medical aspects of hearing loss including conductive, sensory, neural, and central auditory dysfunction; diseases, abnormalities, and methods of medical intervention.

7480 Measurement and Diagnosis of Communication Disorders (3) Psychological and behavioral measurement of communicative functioning and treatment planning for common speech/language disorders.

7490 Diagnostic Audiology I (3) Prereq.: COMD 7191. Behavioral tests and middle-ear measurements in relation to test purpose, scientific basis, assessment strategies, procedures, and interpretation.

7491 Diagnostic Audiology II (3) Prereq.: COMD 7490 or consent of instructor. Auditory evoked potentials and electromyography examined in relation to purpose, scientific basis, assessment strategies, procedures, and interpretation using cross-check principles.

7590 Auditory Rehabilitation of Adults (3) Prereq.: COMD 7192. Special needs of the adult hearing-impaired individual (communicative, social, and vocational); hearing aid use and components of the rehabilitation process.

7683, 7684, 7685 Graduate Clinical Practicum (1-6 each) Prereq.: credit or enrollment in the course dealing with the specific disorder in which practicum is to be taken. May be repeated for credit in order to obtain the clock hours necessary for certification by the American Speech Language, Hearing Association. Only 6 sem. hrs. of academic credit may be counted toward the degree, although all practicum hours count for professional certification. 2-8 hrs. clinic.

7741 Quantitative Measurement of Speech (3) Prereq.: completion of 12 hrs. of graduate work in communication disorders. Rationale for and clinical utility of objective measures of speech and language function; emphasis on use of types of electronic instrumentation.

7750 Special Topics in Linguistics (3) May be taken two times for credit for the master's degree and four times for the doctorate when topics vary. Also offered as LING 7750. Topics to be announced.

7752 Seminar in Linguistics (3) Also offered as LING 7752. May be taken for a max. of 6 hrs. for the master's degree and 12 hrs. for the doctoral degree when topics vary. Problems in analysis of language; emphasis on phonology and semantics.

7754 Psycholinguistics: Linguistic Perspectives (3) Prereq.: ENGL 4010 or equivalent. Also offered as PSYC 7754 and LING 7754. Theories of constituent structure and their application; discourse/semantic principles and their application; speech errors and language universals.

7755 English for Speakers of Other Languages: Methods and Materials (3) Also offered as LING 7755. Problems of teaching English to speakers of other languages; assessment and production strategies for spoken language; discourse analysis, theoretical foundations, second language acquisition, and development of a teaching syllabus; work with international students.

7756 Independent Research: Phonetics and Linguistics (1-3) Prereq.: consent of instructor. May be taken for a max. of 6 sem. hrs. of credit. For advanced graduate students who wish to pursue research on special problems exclusive of thesis or dissertation. Also offered as LING 7756.

7780 Seminar in Communicative Disorders (3) Prereq.: consent of instructor. May be repeated for credit. Selected topics pertaining to diagnosis of communicative disorders.

7781 Independent Research: Speech Science (1-3) Prereq.: consent of instructor. May be taken for a max. of 6 sem. hrs. of credit. For advanced graduate students who wish to pursue research on special problems exclusive of thesis or dissertation.

7782 Individual Research in Communication Disorders (1-3) Prereq.: consent of instructor. May be taken for a max. of 6 sem. hrs. of credit. For advanced graduate students who wish to pursue research on special problems exclusive of thesis or dissertation.

7783 Dysphagia (3) Prereq.: COMD 4250, 7280. Characteristics, assessment, and management of swallowing disorders in children and adults occurring secondary to neurological or structural deficits.

7790 Seminar in Hearing Disorders (3) Prereq.: consent of instructor. May be repeated for credit. Exploration of current professional/scientific topics in clinical practice/research.

7791 Independent Research: Audiology (1-3) Prereq.: consent of instructor. May be taken for a max. of 6 sem. hrs. of credit. For advanced graduate students who wish to pursue research on special problems exclusive of thesis or dissertation.

7850 Experimental Phonetics (3) Prereq.: Ph.D. standing and permission of instructor. May be taken for a max. of 9 hrs. of credit when topics vary. Current research and modeling of the quantitative representation of human speech.

7853 Psychoacoustics (4) Prereq.: COMD 7191, 3 hrs. lecture; 3 hrs. lab. Admission to Ph.D. program required. Classic and contemporary readings about perception of sound; examination of psychoacoustical methods, signal detection theory, frequency processing, pitch perception, intensity processing, binaural hearing and temporal acuity.

7854 Physiological Acoustics (3) Prereq.: COMD 7191 and admission to doctoral program. Auditory system structure and function; physiological acoustics and psychoacoustic correlates.

7880 Advanced Seminar in Language Disorders (3) Theory, contemporary issues, and research related to language disorders as a method of inquiry and intervention; evaluation of research methodology.

7882 Advanced Individual Research in Communication Science and Disorders (1-6) Prereq.: admission to Ph.D. program and consent of instructor. May be taken for a max. of 6 hrs. of credit. Research topics ancillary or extraneous to dissertation research.

8000 Thesis Research (1-12 per sem.) "S/U" grading.

9000 Dissertation Research (1-12 per sem.) "S/U" grading.