COMMUNICATION DISORDERS • COMD

General education courses are marked with stars (*).

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: phonology, morphology, syntax, and semantics: as well as written and spoken language, writing systems and dialects.

2051 Introduction to Manual 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.

2093 Introduction to Communication Disorders (3) Required initial course for undergraduate 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.

4115 Acoustics of Speech and Hearing (5) Prereq.: COMD 2050 or equivalent. Also offered as LING 4153. Production, transmission, and perception of speech acoustics in communication; acoustic phonetics and psycho-acoustics.

4190 Introduction to Audiology (3) Prereq.: COMD 2050 or equivalent. 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 (5) Prereq.: COMD 2050. Functional anatomy of structures associated with speech production, and reception.

4380 Speech and Language Development (4) Also offered as LING 4380. 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 Articulation Disorders (3) Prereq.: COMD 2051, 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 Voice 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 and related functional and structural etiologies.

4490 Audiolingual Assessment (Prereq.): COMD 4250, 4190. Practice and application in pure-tone and speech audiometry; middle-ear measurements, differential diagnosis; physiological tests including auditory evoked potentials.

4590 Introduction to Speech and Language Disorders (3) Prereq.: COMD 4153, 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) 2 hrs. lab. For majors in communication sciences and disorders. Study of clinic rules and procedures, code of ethics, and practice of various types of therapy and evaluation.

4682 Introduction to Clinical Practice (2) Prereq.: COMD 4153, 4190. For majors in communication sciences and disorders. Techniques for test administration, therapeutic methods, report writing, counseling/conferencing, behavior management.

4683 Clinical Practice: Therapeutic Techniques (1-5 each) Prereq.: COMD 4682 and credit in course work related to practicum-specific speech, language, or hearing disorder. May be taken for a max. of 8 sem. hrs. of credit each. On- and off-campus practicum in speech, language, and hearing disorders.

4684 Clinical Practice: Therapeutic Techniques (1-5 each) Prereq.: COMD 4682 and credit in course work related to practicum-specific speech, language, or hearing disorder. May be taken for a max. of 8 sem. hrs. of credit each. On- and off-campus practicum in speech, language, and hearing disorders.

4685 Clinical Practice: Therapeutic Techniques (1-5 each) Prereq.: COMD 4682 and credit in course work related to practicum-specific speech, language, or hearing disorder. May be taken for a max. of 8 sem. hrs. of credit each. On- and off-campus practicum in speech, language, and hearing disorders.

4700 Independent Research in Speech Science or Linguistics (1-3) Prereq.: by arrangement. May be taken for a max. of 3 hrs. of credit. Also offered as LING 4700. Readings in speech science or linguistics directed by a senior faculty member.

4710 Special Topics in Communication Disorders (3) Prereq.: by arrangement. May be taken for a max. of 6 hrs. undergraduate or graduate credit when topics vary.

5151 Speech Science (3) Motor and articulatoric phonetics, including palatography, acoustic phonetics, and aspects of signal detection and perception.

5152 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.

5153 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.

5191 Hearing Science (3) Prereq.: COMD 4250. Auditory transmission and processing from the outer ear to the cortical area; psychophysical phenomena germane to human audition.

5192 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 cortical 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-learning; 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, aphonia, and laryngeal incompetence.

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 7384 or 7385. Cognitive, social, and environmental factors associated with “high risk” communicators; 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 neuroapathy 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 non-speech modalities.

7390 Auditory and Hearing Conservation (3) Prereq.: COMD 7490. Audiological practices in industry and hearing conservation programs; professional, technical, 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.

7392 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.

7400 Measurement and Diagnosis of Communication Disorders (3) Psychological and behavioral measurement of communicative functioning and treatment planning for common speech/language disorders.

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.

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 aca- demic credit may be counted toward the degree, although all practicum hours count for professional certification. 2-8 hrs. clinic. On- and off-campus graduate practicum in speech sound disorders, speech disorders, aural rehabilitation, diagnostic audiology, oral-facial anomalies, neurological disorders.

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.

7770 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 7770. 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 Communication Disorders (3) Prereq.: consent of instructor. May be repeated for max of 6 sem. hrs. credit when topics vary. Selected topics in 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. credit. For advanced graduate students who wish to pursue research on special problems exclusive of thesis or dissertation.

7850 Experimental Phonetics (3) Prereq.: PhD 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 PhD 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 psychoacoustics correlates.

7880 Advanced Seminar in Language Disorders (3) May be taken for max 6 sem. hrs. credit when topics vary. 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 PhD 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.