

Department of

Communicative Disorders and Deaf Education

College of Education

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Trustee Professor Carol J. Strong, language development, language assessment and intervention, language disorders in school-age students, research methodology in communicative disorders, narrative assessment and literature-based language intervention; **Professor J. Freeman King**, American Sign Language, linguistics, teacher preparation; **Adjunct Clinical Professors Steven D. Gray, MD**, pediatric otolaryngologist; **Bryan R. Larsen, MD**, gastroenterologist; **Gordon S. Wood, MD**, otolaryngologist; **Associate Professors Beth E. Foley**, neuropathologies of speech and language, augmentative/alternative communication, language and literacy; **Sonia S. Manuel-Dupont**, non-discriminatory educational assessment of non-English-language background children, interpreter paraprofessional training and management, Native American language assessment, emergent literacy, ethnic literacy, developmental phonology, syntax, professional and scientific discourse analysis; **John E. Ribera**, medical audiology, amplification, hearing science, telemedicine; **Carmel Yarger**, American Sign Language, curriculum for students who are deaf and hard of hearing, deaf education; **Adjunct Associate Professor Douglas W. Laws**, clinical audiology; **Assistant Professors Donald G. Barringer**, early interventions, sensory impairments, head-start research and training; **Kim Corbin-Lewis**, diagnosis and management of voice disorders, laryngeal imaging, disorders of motor speech, dysphagia, anatomy and physiology of speech and swallow; **Mark Krumm**, pediatric audiology, telemedicine, aural rehabilitation; **Jaclyn Littledike**, orofacial anomalies, professional practice issues, and clinical supervision; **Vicki Simonsmeier**, pediatric neurogenic disorders, oral-motor/dysphagia, early intervention programs, audiology, auditory processing, clinical supervision; **Susan Watkins**, early intervention programs, sensory impaired infants and toddlers; **Clinical Assistant Professor Kenneth M. Curtis**, electronystagmography, aural rehabilitation, hearing aids, noise and hearing conservation, clinical supervision; **Clinical Instructors Chad Bingham**, pediatric brain injury, limited English proficiency, augmentative/assistive technology, clinical supervision; **Anne Elsweiler**, fluency, preschool language and articulation, clinical supervision; **Kathryn S. Gantz**, speech-language pathology; **Jan Kelley-King**, American Sign Language, deaf education; **Elizabeth Parker**, education of the deaf and hard of hearing; **Sheryl Y. Spriet**, pediatric audiology, aural rehabilitation, clinical supervision; **Susie Yoakum**, speech-language pathology, clinical supervision; **Advisor Mindy Bergeson**, deaf education

Degrees offered: Bachelor of Science (BS), Bachelor of Arts (BA), Master of Science (MS), Master of Arts (MA), Master of Education (MEd), and Educational Specialist (EdS) in Communicative Disorders and Deaf Education

Undergraduate emphases: BS, BA—Clinical and Educational Audiology, Education of the Deaf and Hard of Hearing, Speech-Language Pathology. The emphasis in Education of the Deaf and Hard of Hearing includes an area of focus in Elementary Education. **Graduate specializations:** MS, MA, MEd—Clinical and Educational Audiology, Early Childhood Communicative Disorders, Speech-Language Pathology; MEd—Education of the Deaf and Hard of Hearing; EdS—Educational Audiology

Undergraduate Programs

Objectives

Three main objectives of the Department of Communicative Disorders and Deaf Education are (1) to train competent speech-language pathologists, educators of the deaf and hard of hearing, and clinical-educational audiologists capable of receiving state and national licensure; (2) to provide clinical services to individuals with speech-language deficits or hearing loss in the University population or in the community; and (3) to provide research opportunities for students relating to communicative problems of individuals. The programs in both Speech-Language Pathology and Clinical-Educational Audiology are fully accredited by the Council on Academic Accreditation of the American

Speech-Language-Hearing Association (ASHA). The program in Education of the Deaf and Hard of Hearing is accredited by the Council on Education of the Deaf. All department programs hold Utah State Office of Education approval and NCATE accreditation.

Requirements

Departmental Admissions Requirements. Any accepted student at Utah State University may major in Communicative Disorders and Deaf Education (COMD-DE) during the freshman and/or sophomore years. However, during the first semester of the junior year, the student must formally apply for admission into the COMD-DE undergraduate professional preparation program. Application forms for admission into COMD-DE will be dissemi-

nated in class during the first semester of the junior year. As part of the application process, each student will complete the College of Education Writing Examination. The student will be accepted if cumulative grade point average is 3.0 or higher, University Studies credits are within 15 credits of completion, College of Education Writing Exam has been taken and passed, and all COM-DE courses taken to this point have grades higher than C+. Students who are accepted into the undergraduate program must maintain the acceptance standards each semester in order to continue in the major.

Transfer Students or students applying for admission into the program subsequent to the fall semester of their junior year must receive approval from the department head before beginning their matriculation in major classes.

Admission into the College of Education teacher education program is necessary before the student may take licensure courses taught in the departments of Elementary Education, Special Education and Rehabilitation, and Secondary Education, which are supportive of the major. Admission into the teacher education program is also required prior to taking the Communicative Disorders clinical practicum coursework. Application to the teacher education program typically takes place at the beginning of the graduate program.

Bachelor's degree in Communicative Disorders and Deaf Education. There are two tracks available within the department: (1) **communicative disorders**, which includes emphases in *audiology* and *speech-language pathology*, and (2) **education of the deaf and hard of hearing**. Though the BS or BA is available in both tracks, the student should be aware that there is no professional employment licensure in either communicative disorders or education of the deaf and hard of hearing at the bachelor's level. Majors in the **communicative disorders** track need to complete a core curriculum consisting of ComD 2400, 2910, 3100, 3120, 3400, 3500, 3650, 3700, 3910, 4100, 4400, 5070, 5100, 5140, 5200, and 5330. Majors in the **education of the deaf and hard of hearing** track need to complete a core curriculum consisting of an elementary, secondary, early childhood, or special education major, including professional breadth requirements, and deaf education requirements consisting of ComD 2500, 2910, 3910, 4910, 5630, 5640, 5650, 5660, 5670, 5680, 5730, and 6690. The undergraduate major for communicative disorders and deaf education consists of 44 semester credits of courses specified by the department, plus 4-8 semester credits of extra departmental coursework. Current national board and state educational agency licensure requirements demand more coursework than the minimum numbers required for University graduation. Students desiring supportive courses for majors in special education, elementary or secondary education, family life, psychology, or other related departments are advised to seek counsel from the departmental advisor in determining an effective minor core.

Education of the Deaf and Hard of Hearing. Students wishing to obtain licensure to teach the deaf and hard of hearing will need to complete the majority of the requirements for a teaching license in early childhood education, elementary education, secondary education, or special education. In conjunction with meeting the majority of requirements for licensure, the student must complete coursework leading to a bachelor's degree in Communicative Disorders and Deaf Education, with an emphasis in Education of the Deaf and Hard of Hearing. The department has an undergraduate advisor for this program.

Course Requirements

Each student in the Communicative Disorders and Deaf Education Major must complete a component of professional training, which includes departmental and extra-departmental coursework. This professional training component includes the following courses: ComD 2400, 2500, 2910, 3100, 3120, 3400, 3500, 3650, 3700, 5070, 5100, 5200, 5330; Engl 1010, 2010; Spch 2600; Biol 1010; Biol 2000; CS 1010 or BIS 1400; Math 1010, 1050; Psy 1010, 1400; Stat 1040; and SpEd 4000.

Additional Information

For more information concerning graduation requirements and course sequencing, see the major requirement sheet, available from the Department of Communicative Disorders and Deaf Education, or visit the departmental website:

<http://www.coe.usu.edu/comd>.

Because many of the undergraduate COMD-DE courses are taught in sequence, students should meet with a departmental advisor prior to beginning classes in the COMD-DE major to assure that the most efficient and effective schedule is followed. Students should also confer with a departmental advisor for information about changes in requirements or scheduling.

Graduate Programs

Admission Requirements

A bachelor's degree in Communicative Disorders or equivalent requirements must be completed before the student enters the graduate program. The time required to complete the master of science degree is determined during the first semester of study by a temporary department committee consisting of professors from the student's direct field of study.

Students seeking the MEd with a specialization in education of the deaf and hard of hearing must have either an undergraduate degree in early childhood, elementary, secondary, or special education, or an undergraduate degree from USU's program in education of the deaf and hard of hearing. Students coming into the master's degree with a degree other than deaf education will need to plan on a two-year MEd program, while those coming directly through the USU curriculum will need to plan on a one-year master's degree program.

Applications will be considered once a year between March 1 and March 15. However, students must have completed the application process to the School of Graduate Studies by February 15. No application will be considered until all the required information is submitted to the School of Graduate Studies.

Master's Degrees

Generally, all students will complete the requirements as specified below. In some instances students will have had some of the coursework required in the graduate curriculum as part of the undergraduate training at another institution. In those cases, the program will be individualized to meet national licensure through the American Speech-Language-Hearing Association (ASHA) and state educational licensure from the State of Utah. In no instance will students amass fewer than 36 graduate credits.

At the end of their programs, all graduate students, except for those in education of the deaf and hard of hearing, must take the NTE examination in their area of specialty. This must be done before a letter of completion will be sent to the School of Graduate Studies. Students are required to list USU as a recipient of NTE test scores.

Speech-Language Pathology. The program in speech-language pathology is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA). The Utah State Office of Education has also approved the program. Students completing the master's curriculum are eligible for licensure from ASHA and the State of Utah Board of Education and additionally have met the academic and practicum requirements for licensure from the State of Utah. As a consequence of preparation and licensure, students are prepared for employment in any setting where the services of a qualified provider of speech and language services are provided. The following courses are required for all students seeking the MS degree in speech-language pathology: ComD 6020, 6030, 6040, 6050, 6100, 6120, 6130, 6140, 6200, 6210, 6220, 6230, 6300, 6370, 6810, and 6970.

Clinical and Educational Audiology. The program in clinical and educational audiology is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA) and is also approved by the Utah State Office of Education. Students completing the master's curriculum are eligible for licensure from ASHA and the State of Utah Board of Education, and additionally have met the requirements for licensure from the State of Utah. As a consequence of preparation and licensure, students are prepared for employment in any setting where the services of a qualified provider of audiological services are provided. The following courses are required of all students seeking the MS degree in clinical and educational audiology: ComD 6230, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6500, 6600, and 6970.

Education of the Deaf and Hard of Hearing. The program in Education of the Deaf and Hard of Hearing is accredited by the Council on Education of the Deaf (CED) and is also approved by the Utah State Office of Education. Students completing this program may be licensed by the Utah State Board of Education as teachers of the deaf and hard of hearing and they also meet the requirements for licensure by CED. Students who complete the curriculum are prepared to provide services as teachers of the deaf and hard of hearing in any setting in which such services are furnished. The following courses or their equivalent are required for all students seeking the MEd in education of the deaf and hard of hearing: ComD 2500, 2910, 3910, 4910, 5100, 5610, 5630, 5640, 5650, 5660, 5670, 5680, 5730/6730, 5910, 6640, 6650, 6690, 6700, 6710, 6800, 6820, 6830, and 6850.

Educational Specialist Degree

The department offers an Educational Specialist (EdS) program that can be individualized to suit a candidate's need within a basic structure of educational audiology and with foci on research, supervision, and evaluation. The program is designed for those individuals who have completed the master's degree and who are practicing in educational settings. The degree requires a minimum of 30 credits beyond the master's degree and may be completed in part through coursework in the summer and extension study and research in conjunction with the individual's workplace.

Course Requirements

Graduate Courses in Speech-Language Pathology: *Year One—First Semester:* ComD 6020, 6030, 6040, 6050, 6100, 6130; *Second Semester:* ComD 6040, 6100, 6140, 6220, 6810; *Summer:* ComD 6370, Educ 6550; *Year Two—First Semester:* ComD 6050, 6120, 6200, 6210; *Second Semester:* ComD 6300.

Graduate Courses in Audiology: *Year One—First Semester:* ComD 6310, 6320, 6400, 6420; *Second Semester:* ComD 6230, 6340, 6370, 6390, 6400; *Third Semester:* ComD 6330, 6350, 6360, 6400, 6970; *Year Two—First Semester:* ComD 6380, 6400, 6410, 6970; *Second Semester:* ComD 6960, 6970.

Graduate Courses in Education of the Deaf and Hard of Hearing: Students entering the program in Education of the Deaf and Hard of Hearing may choose one of three tracks. **Track one** is followed by students who have obtained their bachelor's degree in Communicative Disorders and Deaf Education with a focus in Education of the Deaf and Hard of Hearing; **track two** is followed by those who come into the program without the required background in Education of the Deaf; and **track three** will follow the program outlined for those who wish to focus on Early Childhood Deaf Education only. *Track 1—Fall Semester:* EIED 5150, 5250, ComD 5910, 6640, 6650, 6700, 6710; *Spring Semester:* ComD 6800, 6820, 6830, 6850; *Track 2—Fall Semester (Year 1):* ComD 2500, 5660, 5670, 5730/6730, 5740/6740; *Spring Semester (Year 1):* ComD 5610, 5630, 5640, 5650, 5680; *Fall Semester (Year 2):* ComD 5910, 6640, 6650, 6700, 6710; *Spring Semester (Year 2):* ComD 6800, 6820, 6830, 6850; *Track 3—Fall Semester:* ComD 4910, 5630, 5660, 5680.

Research Requirements

Several options are available for graduate students to complete the research or special project required for the MS or MEd. These options are specified in the list of requirements available in the department office, and include for the MS the traditional Plan A experimental thesis option, as well as the Plan B integrative review option or creative project option. Declaration of an option must be made at the time the student files an Application for Candidacy form with the School of Graduate Studies. Changes in the option will necessitate a complete revision and review of the Application for Candidacy by the student's supervisory committee.

Licensure. Each undergraduate and graduate is advised on which classes will meet Utah State Office of Education and American Speech-Language-Hearing Association licensure requirements, as well as Utah State Professional Licensure requirements. State Office of Education licensure credentials within Utah include approval for audiology, speech-language pathology, and education of the deaf and hard of hearing. Graduation from any of these programs ensures the student may be licensed in Utah. Such licensure facilitates meeting other requirements for other states because of reciprocal agreements that exist among some state educational agencies throughout the country.

Practicum Opportunities

Practicum experience at the graduate level is available in a variety of settings. The department maintains a Speech-Language-Hearing Center offering a full range of diagnostic and remedial services to individuals with speech-language or hearing disabilities. Additionally, students are assigned to off-campus practicum sites such as hospitals, schools for the deaf, long-term and rehabil-

itation care centers, clinics, physician's offices, and public schools. Placement in out-of-state practicum sites is available for those students who request it. Students may also be placed at the Center for Persons with Disabilities for experience in birth to three services. **Students must be enrolled in clinical practicum each semester of their graduate program.**

Financial Assistance

Limited departmental and federal grant support is available to graduate students and is awarded on a competitive basis. The application form for financial support must be submitted to the department no later than March 1 for consideration for the coming year.

Career Opportunities

Audiology graduates are prepared to work as clinical, educational, and rehabilitative audiologists. Speech-Language- Pathology graduates are prepared to work in a variety of medical and school settings. Graduates in the area of Education of the Deaf are trained to work in total communication, bilingual/bicultural, and auditory-aural settings.

Additional Information

Specific details about each of the foregoing degree programs are outlined in policy and procedure documents available through the department. All requirements are subject to change; check with the department for current requirements. Additional information may be obtained by contacting the Department of Communicative Disorders and Deaf Education.

Communicative Disorders and Deaf Education Courses (ComD)

ComD 2400. Orientation and Observation. Introduces students to the professional responsibilities required of communicative disorders and deaf education specialists in a variety of employment settings. Observation of normal/abnormal communication abilities. Language, hearing, and speech disorders. (1 cr) (F,Sp) ®

ComD 2500. Language, Speech, and Hearing Development. Language, speech, and hearing development throughout life and strategies for facilitating development. Requisites for human communication and language learning. Theoretical models of language acquisition and intracultural/intercultural differences. Nature, causes, and prevention of language, speech, and hearing disorders. (3 cr) (F,Sp)

ComD 2910 (CI). Sign Language I. Introduction to American Sign Language and deaf culture. Focuses on receptive skills, with some instruction relative to rules, grammar, and culture associated with American Sign Language. Total immersion approach is used. (3 cr) (F,Sp)

ComD 3050. Practicum and Methods in Teaching Children who are Deaf and Hard of Hearing. Students investigate various aspects of teaching methods through field experiences in the classroom, curriculum and effective teaching assessment, observation and reflections, and guest speakers focusing on areas of mathematics and science in the primary grades. (1-3 cr) (F,Sp) ®

ComD 3080. American Sign Language Practicum. Provides opportunities for practice and continued improvement of receptive and expressive skills in American Sign Language. (1 cr) (F,Sp) ®

ComD 3100. Fundamentals of Anatomy for Speech and Language. Basic study of the structures and functions associated with the subprocesses of speech and hearing, including respiration, phonation, resonance, articulation, neurology, and hearing. Prerequisite: Biol 2000 or 2010. (3 cr) (F)

ComD 3120. Disorders of Articulation and Phonology. Introduction to articulation and phonological disorders and related problems. Emphasis directed at evaluation, management, and measures of success. Principles of programming are presented. Prerequisites: ComD 2500 and 3500. (3 cr) (Sp)

ComD 3400. Acoustics and Anatomy of the Ear. Principles of physical acoustics as applied to Communicative Disorders. Course includes anatomy, physiology, and metabolism of the human auditory system. (3 cr) (F)

ComD 3500. Phonetics/Developmental Phonology. Study of the development of the phonological subsystem in English and the acoustic and physiological characteristics of speech sounds. (3 cr) (F)

ComD 3650. Clinical Processes and Behavior. A consideration of clinical management as an interactive process. Interpersonal sensitivity, technical knowledge and skills, professional infection-control measures, and behavior modification are core considerations. Prerequisites: ComD 2500 and Psy 1010. (2 cr) (Sp)

ComD 3700. Basic Audiology and Acoustic Immittance. Study of pure tone audiometry, including clinical masking, speech audiometry, and clinical immittance measures. Laboratory exercises are required. Prerequisite: ComD 3400. (3 cr) (F)

ComD 3910. Sign Language II. Development of expressive and receptive skills in American Sign Language, focusing on idiom-like expressions, number systems, rules, grammar, and conversational language. Total immersion approach is used. Prerequisite: ComD 2910 or instructor approval. (3 cr) (F,Sp)

ComD 4100 (CI). Clinical Practicum in Speech-Language Pathology. Supervised diagnostic and treatment practicum with individuals with communication disorders. Prerequisites: ComD 2500, 3120, 3650, and permission of instructor. (1-2 cr) (F,Sp,Su) ®

ComD 4400. Clinical Practicum in Audiology. Supervised diagnostic and treatment practicum with individuals with hearing loss. Prerequisites: ComD 3400, 3650, 3700, and consent of instructor. (1-2 cr) (F,Sp,Su) ®

ComD 4600. Senior Thesis. Student-initiated research project under faculty supervision. Prerequisites: Satisfactory grade point average, instructor recommendation, and approval of Honors Committee. (1-6 cr) (F,Sp,Su) ®

ComD 4910 (CI). Sign Language III. Focuses on: (1) strengthening an American Sign Language base, (2) exposing students to ASL natural discourse, (3) introducing students to processed ASL interpretation; and (4) providing detailed feedback. Prerequisites: ComD 2910 and 3910. (3 cr) (Sp)

ComD 5000. Institute in Communicative Disorders and Deaf Education. Special colloquial offerings in communicative disorders and deaf education. (0.5-3 cr) (F,Sp,Su) ®

ComD 5070. Speech Science. Explores contemporary theory, research findings, clinical applications, and laboratory experiences in measurement and analysis of normal speech production. Speech subsystems of respiration, phonation, articulation, and resonance are examined in detail through the collection and analysis of physiologic data. (2 cr) (F)

ComD 5100. Language Science. Study of clinical analysis of syntactic and morphological properties of speech. (3 cr) (Sp)

ComD 5140. Neural Bases of Speech and Language. Study of brain mechanisms underlying normal and disordered speech and language production. Focuses on neuroanatomy, neurophysiology, and the organization of motor and sensory systems. (2 cr) (F)

ComD 5200. Language Assessment and Intervention for Preschool Children. Preschool assessment and intervention, including language sampling and analysis procedures, test administration and interpretation, informal language assessment, intervention goals and objectives, planning clinical management, language facilitation strategies, teaching approaches, classroom-based language intervention, and enhancing emergent literacy. Prerequisite: ComD 2500 or equivalent. (4 cr) (Sp)

ComD 5330. Aural Rehabilitation. Ramifications of hearing loss among children and adults and rehabilitative audiological techniques and programs. (3 cr) (Sp)

ComD 5600. Classroom Teaching Using American Sign Language. Emphasizes development and presentation of lesson plans for different grade levels. Focuses on developing students' abilities in moving from and linking Language 1 (American Sign Language) and Language 2 (the written form of English). Prerequisites: ComD 2910, 3910, and 4910. (3 cr) (F)

ComD 5610. Introduction to Education of the Deaf and Hard of Hearing. Provides students with an overview of the history of educating children who are deaf and hard of hearing. Presents an overview of techniques, as well as the philosophical views that have led to the many teaching methods for the deaf and hard of hearing. (3 cr) (F)

ComD 5620. Teaching School Subjects to Students who are Deaf and Hard of Hearing. Focuses on effective strategies for teaching students who are deaf and hard of hearing across curricular subject areas. Emphasizes infusion of language and reading into all content areas. (3 cr) (F)

ComD 5630. Audiology and Teachers of Children who are Deaf and Hard of Hearing. Focuses on the field of audiology and how information from this discipline relates to education of deaf and hard of hearing children. (3 cr) (Sp)

ComD 5640. Teaching Speech to Deaf and Hard of Hearing Children. Evaluative and instructional models, processes, and methodologies in the development of speech for children who are deaf and hard of hearing. (3 cr) (Sp)

ComD 5650. Teaching the English Language to Individuals who are Deaf and Hard of Hearing. Evaluation and teaching of the English language to individuals who are deaf and hard of hearing. Language development and remediation using structure, modeling, natural approach, and grammar. Prerequisite: ComD 2500. (3 cr) (Sp)

ComD 5660. Early Intervention for Children Who are Deaf and Hard of Hearing. Family-centered early intervention for infants and young children who are deaf and hard of hearing. Identification, testing, hearing aids, communication, auditory, language, and emerging literacy programming, parent and family programs, mentoring. (3 cr) (F)

ComD 5670. Psychological Principles and Individuals who are Deaf and Hard of Hearing. Psychological theories and research used to describe the deaf and hard of hearing. Exploration of principles that can be used in helping these individuals achieve emotional well-being. Also taught as Psy 5670. (3 cr) (Sp)

ComD 5680. Socio-Cultural Aspects of Deafness. Leads students to understand how society, political institutions, and education have impacted the deaf culture. (3 cr) (Sp)

ComD 5730 (d6730).¹ Children with Multiple Disabilities and Hearing Loss. Students will obtain a basic understanding of the problems and characteristics of children who have hearing loss plus one or more disabling conditions. Teaching strategies will also be discussed. (3 cr) (F)

ComD 5740 (d6740). Teaching Reading to Deaf and Hard of Hearing Children. Exploration of resources and methods used to teach reading to deaf and hard of hear-

ing children. Discussion of current research regarding the effectiveness of these methods and ideas for improving reading instruction. (3 cr) (F)

ComD 5860 (d6860). Interdisciplinary Training in Assistive Technology I. Provides interdisciplinary training in assistive technology, focusing on assistive devices related to powered mobility, seating and positioning, computer access, and augmentative and alternative communication. Prerequisite: Departmental permission. (3 cr) (F)

ComD 5870 (d6870). Interdisciplinary Training in Assistive Technology II. Provides advanced training in assistive technology, focusing on assistive devices related to cognitive, hearing, visual, and dual sensory impairments. Funding issues also addressed. (3 cr) (Sp)

ComD 5900. Independent Study. Selected work individually assigned, handled, and directed. Problems of mutual interest to students and the instructor are investigated and reported. (1-6 cr) (F,Sp,Su) ®

ComD 5910. Sign Language IV. Basic concepts of linguistics pertaining to ASL structure. Students must have a good understanding of ASL structure and excellent receptive ASL skills. Prerequisites: ComD 2500, 3120, 4100, and 5200. (3 cr) (F)

ComD 6020. Language/Communication Management in the Schools. Explores language and communicative disorders services in schools, including administration, organization, management, scheduling, inservice, multidisciplinary teams, IEP development, and federal and state laws. Emphasizes assessment and intervention for school-age language disorders. Prerequisites: ComD 2500, 3120, 4100. (3 cr) (F)

ComD 6030. Disorders of Fluency—Stuttering. Provides understanding of theory, nature, etiologies, and principles of diagnosis and treatment of communication disorders related to stuttering and other disorders of fluency. (3 cr) (F)

ComD 6040. Communication Disorders Related to Orofacial Anomalies. Nature, etiologies, and principles of diagnosis and treatment of communication disorders related to orofacial anomalies. Prerequisite: Graduate standing. (3 cr) (Sp)

ComD 6050. Professional Practice in Speech-Language Pathology. Lecture, discussion, and guest presenters on various professional practice topics pertaining to speech-language pathology. Prerequisite: Graduate standing. (2 cr) (F)

ComD 6100. Advanced Clinical Practicum in Speech-Language Pathology. Supervised diagnostic and treatment practicum with individuals with communication disorders. Prerequisites: ComD 2500, 3120, 3650, or equivalent, and permission of instructor. (1-3 cr) (F,Sp,Su)

ComD 6120. Adult Disorders of Motor Speech and Swallowing. Considers the neurological substrates and clinical manifestation of dysarthria, apraxia, and dysphagia in the adult population. Addresses diagnostic methods and management of these disorders. (3 cr) (F)

ComD 6130. Neuropathologies of Speech and Language. Study of neuropathologies of speech and language associated with aphasia, traumatic brain injury, right hemisphere syndrome, dementia, and degenerative neurological diseases. (3 cr) (F)

ComD 6140. Pediatric Neurogenic Disorders. Global perspective of normal pediatric development. Study of neuro lesions pathologies and effects on respiration, phonation, and articulation. Also addresses assessment and intervention of oral-motor skills for speech and swallowing purposes. (3 cr) (Sp)

ComD 6200. Internship in Public Schools—Speech-Language Pathology. Supervised public school practicum in speech-language pathology. (1-4 cr) (F,Sp,Su) ®

ComD 6210. Bilingual/Bicultural Services. Study of the cultural, linguistic, educational, and socioeconomic status of individuals with speech-language disabilities from ethnic or linguistic minority groups. (2 cr) (F)

ComD 6220. Severe Communication Impairments. Study of assessment and treatment strategies for individuals with severe communication impairments, including those requiring augmentative and alternative communication systems. (3 cr) (Sp)

ComD 6230. Introduction to Research in Communicative Disorders. Introduction to experimental research designs, including educational research and development, causal-comparative, correlational, and qualitative research. Includes research reviews, research proposals, threats to internal and external validity, and statistical/practical significance. Prerequisite: Psy 2800. (3 cr) (Sp)

ComD 6300. Externship in Speech-Language Pathology. Supervised off-campus practicum externship in speech-language pathology. Prerequisite: Consent of instructor. (1-9 cr) (F,Sp,Su) ®

ComD 6310. Advanced Hearing Science. Psychoacoustic concepts and principles, anatomy of the sensorineural and central auditory and vestibular systems, and advanced principles of acoustics as they apply to the profession of audiology. Prerequisites: ComD 3100, 3400, and 3700. (3 cr) (F)

ComD 6320. Hearing Aids. Hearing aid types and uses, hearing aid components and characteristics, electroacoustic performance, hearing aid candidacy and hearing aid evaluation, and hearing aid fitting and orientation. Prerequisites: ComD 3400 and 3700. (3 cr) (Sp)

ComD 6330. Electrophysiological Auditory Tests. Tests for vestibular disorder and evoked potentials testing (particularly ABR). Prerequisites: ComD 3400, 3700, 6420. (3 cr) (Sp)

ComD 6340. Advanced Hearing Aids. Applications of advanced hearing aid circuitry, especially digital and digitally programmable hearing aids. Presentation of various aspects of measuring hearing aid satisfaction. Tinnitus management and cochlear implants area also treated. Hearing aid trouble shooting, modifications, and repairs are included. Prerequisite: ComD 6310. (3 cr) (Sp)

ComD 6350. Advanced Audiological Diagnosis. Special auditory testing for site of lesion in the conductive, sensory, neural, and central auditory systems. Emphasizes Immittance Battery and Otoacoustic Emissions Battery. Tests for assessment of functional hearing loss are also included. Sensitivity and specificity of auditory tests are treated. Test results related to auditory disease process. Prerequisite: ComD 6420. (3 cr) (Su)

ComD 6360. Private Practice in Audiology. Audiology business and practice management. Discussion of business set-up, the business plan, managerial accounting and financial analysis, marketing, pricing, reimbursement, record keeping, and forensics. (3 cr) (Su)

ComD 6370. Educational Audiology. Management of deaf and hard of hearing children in the regular schools. Population and individual profiles, evaluation and staffing, models of delivery, integration considerations, remedial and facilitative programming. (3 cr) (F)

ComD 6380. Educational Audiological Management. Assessment of children with hearing loss who are in the public schools. Management plans for audiological services, as well as appropriate intervention strategies for children. Students develop plans and present methods for bringing change to schools. Prerequisite: ComD 6370. (3 cr) (Sp)

ComD 6390. Diseases of the Ear. Study of the etiology, symptomatology, audiological manifestations, and medical treatment of various pathological conditions of the auditory system. Prerequisites: ComD 3400 and 3700. (3 cr) (F)

ComD 6400. Advanced Clinical Practicum in Audiology. Supervised advanced diagnostic and treatment practicum with individuals with hearing loss. Prerequisites: ComD 3400, 3700, or equivalent. (1-3 cr) (F,Sp,Su) ®

ComD 6410. Industrial Audiology. Principles of noise hazard evaluation, effects of noise on the auditory mechanism, and development and maintenance of an effective hearing conservation program. Prerequisite: ComD 3400. (3 cr) (F)

ComD 6420. Pediatric Audiology. Provides students with understanding of normal auditory development and theoretical, clinical, and practical issues involved in screening, assessment, and management of children with hearing loss. Prerequisites: ComD 3400, 3700, or equivalent. (3 cr) (F)

ComD 6430. Speech Communication and Hearing Loss. History of listening and speech programs for the hearing impaired. Hearing aids and FM systems, as well as computer and electronic devices used in supporting the speech of this population. Discussion of cochlear implants, the palatometer, and TranSonic hearing aids. (3 cr) (F)

ComD 6500. Internship in Public Schools—Audiology. Supervised public school practicum in audiology. (1-6 cr) (F,Sp,Su) ®

ComD 6600. Externship in Audiology. Supervised off-campus practicum externship in audiology. (1-9 cr) (Sp,Su) ®

ComD 6640. Strategies for Teaching Children who are Deaf and Hard of Hearing. Provides clinical experience in practicing teaching strategies. Emphasizes evaluation, teaching groups, and tutoring children in speech, listening, and English. Includes lecture, demonstration, observation, and practice in classrooms for the deaf. Prerequisite: ComD 5640. (3 cr) (F)

ComD 6650. Strategies for Teaching English Language to Children who are Deaf and Hard of Hearing. Practical methods for applying theories of teaching the English language in classrooms where deaf and hard of hearing children are educated. Prerequisite: ComD 5650. (3 cr) (F)

ComD 6660. INSITE Training. Training in implementation of the INSITE Model. Early home intervention for infants and young children having a combination of sensory impairments and other disabilities. (1-3 cr) (F,Sp,Su)

ComD 6670. AHEAD Training. Training in implementation of the AHEAD Model. Early intervention services for families and child care providers of children with noncategorical disabilities, birth to three years, in home and child care settings. (1-3 cr) (F,Sp,Su)

ComD 6680. SKI*HI Training. Training in implementation of the SKI*HI Model. Early home intervention for infants and young children who are deaf and hard of hearing, and their families. (1-3 cr) (F,Sp,Su)

ComD 6690. Early Intervention for Infants and Toddlers with Vision Impairment and Their Families. Students will gain an understanding of and develop skills in working with infants and toddlers who are visually impaired and their families. (1-3 cr) (F,Sp,Su)

ComD 6700. Practicum in Education of Children who are Deaf and Hard of Hearing. Supervised diagnostic and remedial casework in education of the deaf and hard of hearing. (1-3 cr) (F,Sp,Su) ®

ComD 6710. Mainstreaming Children who are Deaf and Hard of Hearing. Rationale and procedures used to successfully mainstream children with hearing loss. Also methods of evaluating programs where children with hearing loss are to be placed. (3 cr) (F)

ComD 6720. Serving Preschoolers with Vision Impairments in Center Based Settings. To provide students with knowledge and skills in working with children with visual impairments in the preschool setting. (1-3 cr) (F,Sp,Su)

ComD 6730 (d5730). Children with Multiple Disabilities and Hearing Loss. Students will obtain a basic understanding of the problems and characteristics of children who have hearing loss plus one or more disabling conditions. Teaching strategies will also be discussed. (3 cr) (F)

ComD 6740 (d5740). Teaching Reading to Deaf and Hard of Hearing Children. Exploration of resources and methods used to teach reading to deaf and hard of hearing children. (3 cr) (F)

ing children. Discussion of current research regarding the effectiveness of these methods and ideas for improving reading instruction. (3 cr) (F)

ComD 6800. Student Teaching—Day-School Program. Full-time student teaching in a day-school program for the deaf. (6-12 cr) (F) ®

ComD 6810. Disorders of Phonation. Advanced consideration of issues and methods in the diagnosis and treatment of voice problems associated with the larynx and the respiratory tract. (3 cr) (Sp)

ComD 6820. Principles of Intervention for Children who are Deaf and Hard of Hearing. Application of teaching principles to classrooms for the deaf and hard of hearing. Practicum with children is part of this course. Prerequisites: ComD 6640, 6650, and permission of instructor. (3 cr) (Sp)

ComD 6830. Student Teaching—Residential. Full-time student teaching at a residential school for the deaf. Prerequisite: Permission of instructor. (6-12 cr) (Sp)

ComD 6850. Seminar in Communicative Disorders and Deaf Education. Research and analysis of selected topics. (1-3 cr) (F,Sp,Su) ®

ComD 6860 (d5860). Interdisciplinary Training in Assistive Technology I. Provides interdisciplinary training in assistive technology, focusing on assistive devices related to powered mobility, seating and positioning, computer access, and augmentative and alternative communication. Prerequisite: Departmental permission. (3 cr) (F)

ComD 6870 (d5870). Interdisciplinary Training in Assistive Technology II. Provides advanced training in assistive technology, focusing on assistive devices related to cognitive, hearing, visual, and dual sensory impairments. Funding issues also addressed. (3 cr) (Sp)

ComD 6900. Independent Study. Prerequisite: Permission of instructor. (1-9 cr) (F,Sp,Su) ®

ComD 6960. Master's Project. This experience provides student with opportunity to design and carry out a creative project which is closely related to his or her area of teaching specialty. May require a written report. (1-4 cr) (F,Sp,Su) ®

ComD 6970. Thesis. Prerequisite: Permission of instructor. (1-7 cr) (F,Sp,Su) ®

ComD 6990. Continuing Graduate Advisement. (1-9 cr) (F,Sp,Su) ®

ComD 7330. Supervision Internship. Provides extensive supervisory experience for advanced students. Internship is for a period of time to be specified by the department and cooperating agency. Prerequisite: Permission of instructor. (1-7 cr) (F,Sp,Su) ®

ComD 7510. Supervision in Communicative Disorders. Principles and practices of supervision in Communicative Disorders and Deaf Education. Emphasizes clinical and educational supervision as these styles relate to individuals who are deaf and hard of hearing or who have communicative disorders. (2 cr) (Su)

ComD 7810. Research Seminar in Educational Audiology. Identification of research problem, consideration of research strategies and methods, application of research and statistical concepts in departmental focus, interaction with faculty. (1-3 cr) (F,Sp,Su) ®

ComD 7900. Independent Study. Advanced students, under direction of a faculty member, will study independently; however, departmental permission is necessary. (1-2 cr) (F,Sp,Su) ®

ComD 7910. Independent Research. Advanced students, under direction of a faculty member, will do research in an area of interest to themselves. (1-2 cr) (F,Sp,Su) ®

ComD 7970. Dissertation. Variable credit for dissertation project in connection with the doctoral program emphasis in educational audiology. (1-9 cr) (F,Sp,Su) ®

ComD 7990. Continuing Graduate Advisement. (1-9 cr) (F,Sp,Su) ®

® Repeatable for credit. Check with major department for limitations on number of credits that can be counted for graduation.

¹Parenthetical numbers preceded by *d* indicate a *dual* listing.