

COMMUNICATIVE SCI & DISORDERS (CSD)

CSD 109 - SLPeeps: A First Year Guide to CSD. 1 Credit.

Offered autumn for credit/no credit grade mode only. This survey course is designed to present an overview of the CSD major, provide support for graduation success, and inform students about the profession as whole including practicing requirements. Level: Undergraduate

CSD 110 - The Field of CSD. 3 Credits.

Offered autumn. Introduction to the scientific study of human communication and its disorders and to the professions of Speech-Language Pathology and Audiology. Overview of biological systems of speech, language, and hearing and the nature and treatment of communication disorders.

CSD 131 - American Sign Language I. 3 Credits.

Offered autumn. Introduces the fundamentals of American Sign Language (ASL) used by the Deaf Community, including basic vocabulary, syntax, fingerspelling, and grammatical non-manual signals. Focuses on basic expressive and receptive competence. In addition, the course provides a survey of various issues raised by examining ASL and the Deaf community.

CSD 132 - American Sign Language II. 3 Credits.

Offered spring. Prereq., CSD 131. ASL II emphasizes further development of receptive and expressive skills; use of signing space; further use of non-manual components of ASL grammar including facial expression and body postures, and introduction to conversational regulators. Discussion of regional and ethnic sign variations, and social, political and educational institutions of the Deaf community. Interaction with members of the Deaf community in both directed and non-directed activities will be featured.

Gen Ed Attributes: Foreign Language Requirement

CSD 191 - Special Topics. 1-6 Credits.

CSD 194 - Seminar. 1-6 Credits.

(R-6) Offered intermittently. A review and discussion of current research. Topics vary.

CSD 210 - Speech & Lang Devel. 3 Credits.

Offered autumn. Sophomore standing or greater. Topics include typical speech and language development, phonology, semantic, morphological, syntax, and pragmatics, along with individual differences, second language acquisition and literacy.

CSD 221N - Fundamentals of Acoustics. 3 Credits.

Offered spring. Provides students with a basic and working knowledge of acoustics and the physics of sound. Provides the basis for measurement and description of speech stimuli. Direct application to Speech Hearing and Language intervention as well as application into communicative sciences.

Gen Ed Attributes: Natural Science Course (N)

CSD 222 - Intro to Audiology. 3 Credits.

Offered autumn. Introduction to principles of acoustics as a basis for understanding hearing assessment. Development of ability to interpret audiograms as well as the results from a hearing evaluation. Includes pure tone and speech audiometry, acoustic immittance and reflex testing. Hearing screening procedures are also included.

CSD 320 - Phono Devel & Phonetics. 3 Credits.

Offered autumn. Junior standing or higher. Exploration of the sounds and sound structure of American English and some of its dialects. Introduction to the theory and practice of phonetic and phonological analysis and trained in the transcription of speech into the International Phonetic Alphabet.

CSD 331 - Neuroanatomy & Physiology. 3 Credits.

Offered spring. Prereq., BIOH 330. Focused study on the anatomy of the nervous system and how the nervous system supports behaviors inherent to communication. Students will be introduced to anatomical terms, structures, and functions. Clinical implications will be discussed as well. Level: Undergraduate

CSD 345 - Developmental Speech & Language Disorders. 3 Credits.

Offered spring. Prereq., CSD 210, CSD 320. Nature of developmental speech and language disorders and basic understanding of principles underlying assessment and treatment of these disorders.

CSD 365 - Acquired Speech and Language Disorders. 3 Credits.

Offered spring. Prereq., CSD 210. Identification, assessment, and intervention for a variety acquired speech and language disorders. Other topics include secondary conditions, potential psychosocial and educational concerns, multicultural considerations, and family roles.

CSD 392 - Independent Study. 1-6 Credits.

(R-6) Offered every term. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

CSD 396 - Autism on Campus/SvcLrn. 2 Credits.

Prereq., junior or senior Standing, consent of instruct., and application required. This course educates students about autism in adults. The didactic portion addresses executive functioning and social needs. The service learning portion allows direct mentorship to people on campus with autism and related disorders.

CSD 405 - The Clinical Process. 3 Credits.

Offered spring. Prereq., CSD 210, CSD 222, CSD 320, CSD 345, CSD 365. The underlying principles of clinical methods and practice including: the observation of human behavior and clinical processes, assessment of communication differences, clinical management of these differences, delays and disorders, behavior, interviewing/counseling, lesson planning, and writing skills.

CSD 420 - Speech Science. 3 Credits.

Offered spring. Prereq., CSD 222, CSD 320, BIOH 330. Physiologic, neurologic, and acoustic aspects of human communication, theoretical framework for speech science, and principles of acoustics applied to speech pathology.

CSD 430 - Senior Capstone. 3 Credits.

Offered autumn. Prereq., senior status. Part one of a two course sequence where the student completes an independent project. Students will prepare a literature review, and ethics application, and a proposal in preparation for a major research project of their design.

Gen Ed Attributes: Writing Course-Advanced

CSD 445 - Autism and Complex Communication Needs. 2-4 Credits.

Offered Intermittently Prereq., CSD 210, CSD 345, senior standing. This course explores and integrates social aspects of communication (e.g., behavioral and social skills affecting communication) and communication accommodations, adaptations, and links to functional and daily-living in individuals with severe to complex communication disorders. This includes a focus on assessment and treatment processes and practices for prevalent diagnoses such as Autism Syndrome Disorder.

CSD 450 - Intro to Aural Rehabilitation. 3 Credits.

Offered spring. Prereq., CSD 210, CSD 222, CSD 345, & CSD 365 or graduate standing. Fundamental skills in speech reading, various types of hearing aids, and the tools necessary to assess and implement auditory training. Management of the client with hearing impairment including psycho-social development and educational intervention. Both children and adults are included.

CSD 466 - Acq Cogn Comm Disorders. 3 Credits.

Offered intermittently. Prereq., senior standing. Assessment, treatment, and prevention of acquired cognitive-communication disorders including pediatric and adult traumatic brain injury (TBI) and mild traumatic brain injury (MTBI), right hemisphere syndrome (RHS), and dementia. Emphasis on neurobiological principles of rehabilitations.

CSD 480 - Multicultural Issues. 3 Credits.

Offered autumn. Prereq., CSD 210, CSD 222, CSD 320, CSD 340, CSD 360. Topics include: dynamics of community and culture; strategies to communicate with people from a variety of backgrounds; learning English as a second language; phonological and linguistic analysis of differences between Standard English speakers and culturally diverse populations and international differences in service delivery.

CSD 490 - Undergrad Clin Practicum. 1-3 Credits.

1-3 cr. (per semester). Prereq., lower division CSD courses and consent of CSD Clinical Director. A maximum of 5 credits of clinical practicum may count toward graduation. Allows the advanced student an opportunity to pursue independent or small group clinical practicum. Students will be directly supervised by a certified speech and language pathologist or audiologist.

CSD 491 - Special Topics. 1-3 Credits.

(R-6) Offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

CSD 492 - Independent Study. 1-6 Credits.

CSD 496 - Independent Study. 1-4 Credits.

(R-8) Offered intermittently. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

CSD 498 - Independent Research. 1-4 Credits.

(R-6) Offered Autumn, Spring. Prereq., consent of the instructor. Participation in independent or instructor associated research activities.

CSD 520 - Artic & Phono Disorders. 3 Credits.

Offered Autumn. Prereq., Graduate standing. Theoretical perspectives on phonological and articulation disorders with emphasis on application to clinical management including evaluation, assessment techniques, and intervention strategies. Level: Graduate

CSD 530 - Voice & Motor Speech Disorders. 4 Credits.

Prereq., Graduate standing. Study of anatomy, physiology, and pathology of voice. Diagnosis and management of voice and resonance disorders. Neural bases of normal and disordered speech motor control. Assessment and treatment of motor speech disorders. Level: Graduate

CSD 540 - Fluency Disorders. 3 Credits.

Prerequisites: Graduate standing. Theoretical, etiological, and developmental perspectives of fluency disorders. Principals of assessment and intervention, including integration of fluency shaping and stuttering modification techniques. Level: Graduate

CSD 545 - Autism and Complex Communication Needs. 2-4 Credits.

Offered variable terms. Prereq., graduate standing. This course explores and integrates social aspects of communication (e.g., behavioral and social skills affecting communication) and communication accommodations, adaptations, and links to functional and daily-living in individuals with severe to complex communication disorders. This includes a focus on assessment and treatment processes and practices for prevalent diagnoses such as Autism Syndrome Disorder. Level: Graduate

CSD 560 - Lang/Learn Dis.Schl Age SERV. 3 Credits.

Prereq., graduate standing. Theoretical perspectives, research, and clinical issues concerning disorders of language, literacy, and learning in the school-age population (elementary through high school) considering contributing factors, special populations and basic assessment and intervention principles. Level: Graduate

CSD 565 - Aphasia & Acquired Apraxia of Speech. 3 Credits.

Prereq., graduate standing. Neural bases and medical etiologies of acquired apraxia of speech and acquired cognitive-linguistic disorders in adults. Evaluation and treatment of aphasia and apraxia of speech in persons with acquired neurologic disorders across successive stages of recovery. Incorporates models of rehabilitation across prevention, assessment, and treatment, with a focus on the WHO ICF and aspects of disability across diverse populations. Level: Graduate

CSD 566 - Acquired Cog-Com Disorders. 3 Credits.

Offered intermittently. Prereq., Graduate standing. Assessment, treatment, and prevention of acquired cognitive-communication disorders including pediatric and adult traumatic brain injury (TBI) and mild traumatic brain injury (MTBI), right hemisphere syndrome (RHS), and dementia. Emphasis on neurobiological principles of rehabilitations, differential diagnosis and theories, and evidence-based research pertaining to clinical management. Level: Graduate

CSD 570 - Clinical Processes in Professional Practice I. 1-3 Credits.

(R-3) Offered every semester. Prereq., graduate standing. This course provides content focused on the professional practices, processes, attributes, and abilities associated with professional accountability, ethics, integrity, effective communication skills, clinical reasoning, evidence-based practice, and collaborative practice. Level: Graduate

CSD 571 - Foundational Applied Clinic in Service Learning. 1-9 Credits.

(R-9) Offered autumn, spring, and summer; on campus only. Prereq., graduate standing, permission of clinical director. Co-convened with CSD 570. Application of professional skills in the UM DeWit RiteCare Clinic. Assignment of cases and area of specialization will vary with clinical educator assignment. Level: Graduate

CSD 575 - Advanced Clinical Processes in Professional Practice II. 1-3 Credits.

(R-9) Offered autumn, spring, summer. Prereq., CSD 570, coreq., CSD 576. Advanced study of professional and clinical issues with application to clinical practicum. Discussions, demonstrations, and student presentations. Mandatory synchronous weekly class meeting. Out of state placement by approval of clinical extern coordinator. Level: Graduate

CSD 576 - Advanced Applied Clinic. 1-9 Credits.

(R-18) Offered autumn, spring, summer. Prereq., CSD 570., coreq. CSD 575. Advanced application of professional skills in the UM RiteCare Clinic or off-campus. Assignment of cases and area of specialization will vary with the clients needs and availability. Out of state placement by approval of clinical director. Level: Graduate.

CSD 580 - Diagnostics. 3 Credits.

Offered Fall. Prereq., Graduate Standing. Students will accrue clinical clock hours with pediatric and adult populations while developing the following skills: using case history information to form a diagnostic plan; administering various standardized and non-standardized diagnostic tools; interpreting assessment results; writing diagnostic reports; and sharing diagnostic results with clients, caregivers and other professionals. Mandatory weekly class meetings. Level: Graduate

CSD 591 - Special Topics. 1-6 Credits.

(R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Level: Graduate

CSD 594 - Graduate Seminar. 1-12 Credits.

(R-3) Offered intermittently. Prereq., consent of instr. A review and discussion of current research. Topics vary.

CSD 595 - Special Topics. 1-12 Credits.

Offered intermittently. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offering of current topics.

CSD 596 - Independent Study. 1-6 Credits.**CSD 600 - Research Methods. 3 Credits.**

Offered spring. Prereq., graduate standing. Research methodologies appropriate for quantitative and qualitative studies in communication sciences and disorders. Focuses on critical reading of research papers, design, and implementation of experiments. Level: Graduate

CSD 640 - Swallowing Disorders. 3 Credits.

Prereq. Graduate standing. Study of anatomy, physiology, and pathology of swallowing. Diagnosis and treatment of swallowing disorders. Level: Graduate

CSD 675 - Clinical External Practicum. 1-12 Credits.

Offered every term. Prereq., CSD 570, 571, 575, 576, graduate standing. The course is an externship completed during a student's final semester of graduate school requiring 30-40 hours a week participation. Out of state placements approved by the clinical extern coordinator. Level: Graduate

CSD 688 - CSD Master of Science Capstone. 3 Credits.

Offered spring and autumn. Prereq., CSD 600. An integration evidence-based practice foundations in Speech-Language Pathology. This course requires comprehensive portfolios that include a best-evidence systematic literature review, a clinical philosophy reflecting current learning theory, and evidence of application of current best practices. Level: Graduate

CSD 694 - Grad Seminar. 1-12 Credits.

(R 6) Offered intermittently. Prereq., graduate standing. Level: Graduate

CSD 695 - Special Topics. 1-3 Credits.**CSD 696 - Independent Study. 1-5 Credits.**

Prereq. Consent of instr. Course material appropriate to the needs and objectives of the individual student. Level: Graduate

CSD 699 - Thesis. 1-6 Credits.

(R-9) Offered autumn, spring, summer. Prereq., CSD 600, Graduate standing and consent of instructor. The primary purpose of the thesis is to allow a student to conduct a research project in a particular field of study related to speech and language pathology. Level: Graduate