

# COMMUNICATION SCIENCES AND DISORDERS (CS&D)

## CS&D 110 – INTRODUCTION TO COMMUNICATIVE DISORDERS

3 credits.

A survey of the scientific basis of normal and disordered communication; covers speech, hearing, and language. Enroll Info: None

**Requisites:** None

**Course Designation:** Breadth - Social Science

Level - Elementary

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

## CS&D 201 – SPEECH SCIENCE

3 credits.

Anatomy and physiology of the speech production mechanism; acoustic characteristics of the speech signal. Enroll Info: None

**Requisites:** None

**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req

Level - Elementary

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

## CS&D 202 – NORMAL ASPECTS OF HEARING

3 credits.

Provides students with background in the physical acoustics of sound, the anatomy and physiology of the auditory system, and the psychology related to hearing, known as psychoacoustics. Enroll Info: None

**Requisites:** None

**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req

Level - Elementary

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

## CS&D 210 – NEURAL BASIS OF COMMUNICATION

3 credits.

Considers the neural basis for communicative behaviors. Provides understanding of the anatomy, physiology, and physiopathy of the central and peripheral nervous systems as they relate to normal and disordered communication. Enroll Info: Sophomore standing or consent of instructor

**Requisites:** None

**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req

Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

## CS&D 240 – LANGUAGE DEVELOPMENT IN CHILDREN AND ADOLESCENTS

3 credits.

This course covers communication and language development from infancy to adulthood. Enroll Info: None

**Requisites:** None

**Course Designation:** Level - Elementary

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

## CS&D 303 – SPEECH ACOUSTICS AND PERCEPTION

3 credits.

Detailed examination of the acoustic properties of the speech signal within the source-filter theory of speech production. Theories of speech perception pertaining to phoneme and word recognition are presented and discussed. Enroll Info: None

**Requisites:** CS&D 201 and 202

**Course Designation:** Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

## CS&D 315 – PHONETICS AND PHONOLOGICAL DEVELOPMENT

3 credits.

Introduction to the international phonetic alphabet and articulatory phonetics. Overview of typical and atypical phonological development. Enroll Info: None

**Requisites:** CS&D 201, 240

**Course Designation:** Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

## CS&D 318 – VOICE, CRANIOFACIAL AND FLUENCY DISORDERS

3 credits.

The material in this course will provide a basis for understanding the communication problems of individuals with voice disorders, orofacial anomalies, and fluency disorders. Enroll Info: None

**Requisites:** CS&D 201, 202, and 240

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

## CS&D 320 – INTRODUCTION TO AUDIOLOGY

3 credits.

Hearing science, disorders and evaluation, conservation, and aural rehabilitation. Enroll Info: None

**Requisites:** CS&D 202

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

**CS&D 371 – PRE-CLINICAL OBSERVATION OF CHILDREN AND ADULTS**  
3 credits.

This writing-intensive course is the first course in the clinical education sequence. It emphasizes clinical writing, group participation, and observation of video and live treatment sessions to develop and improve observational skills related to communication behaviours and clinical teaching. (WI). Enroll Info: None

**Requisites:** Consent of instructor

**Course Designation:** Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 390 – PRACTICUM IN COMMUNICATIVE DISORDERS**  
2 credits.

A writing-intensive practicum working with children from diverse cultures who are at risk for speech, language, and literacy challenges. Enroll Info: Jr st; com dis major; overall GPA 3.0, Com Dis 315, 371, 440; 25 hrs of clin observation cons inst

**Requisites:** None

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2011

**CS&D 424 – SIGN LANGUAGE I**  
2 credits.

Manual alphabet, numbers, and 300 basic signs in both American Sign Language (ASL) and Manually Coded English (MCE) systems. Class will emphasize words and sign skill for clinic/schools. Enroll Info: None

**Requisites:** Sophomore standing

**Course Designation:** Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

**CS&D 425 – AUDITORY REHABILITATION**  
3 credits.

Topics include scope of practice, current approaches to perception, production and conversational fluency development as they apply in auditory rehabilitation treatment in home, school, work and social settings. Enroll Info: None

**Requisites:** CS&D 201, 202, and 320

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 434 – SIGN LANGUAGE II**  
2 credits.

Advanced beginner's course emphasizing instruction and practice at a conversational level using American Sign Language (ASL) and Pidgin Signed English (PSE). Fingerspelling, short story comprehension and signing practice are the focus of this class. Enroll Info: None

**Requisites:** CS&D 424

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2011

**CS&D 440 – CHILD LANGUAGE DISORDERS, ASSESSMENT AND INTERVENTION**  
3 credits.

Language differences and disorders in various populations are covered, as well as means of assessment and intervention. Enroll Info: None

**Requisites:** CS&D 240

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 455 – TOPICS IN COMMUNICATIVE DISORDERS**  
1-3 credits.

Lecture-discussion with or without laboratory component on current topics in normal aspects of communication or identification, treatment and research in speech-language pathology and audiology. Enroll Info: None

**Requisites:** None

**Course Designation:** Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Fall 2013

**CS&D 481 – UNDERGRADUATE JUNIOR HONORS**  
3 credits.

A writing-intensive introduction to research methodology in Communication Sciences and Disorders, emphasizing participant selection criteria, experimental design and methodology, data collection, and data analysis, leading to the design and future implementation of an independent research project. Activities include written and oral critiques of published research, written summaries of oral research presentations, and composition of an individual research proposal. Enroll Info: Admission to (or eligibility for) the Honors Program in Communication Sciences and Disorders

**Requisites:** Declared in honors program

**Course Designation:** Gen Ed - Communication Part B

Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Honors - Honors Only Courses (H)

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

**CS&D 503 – NEURAL MECHANISMS OF SPEECH, HEARING AND LANGUAGE**

3 credits.

Basic neuroanatomical and neurophysiological mechanisms underlying the communication process. Neuropathologies and their associated communication disorders. Enroll Info: Grad st in com dis or undergrad biol major with neurobiol option, or cons inst

**Requisites:** Graduate standing in Communication Sciences and Disorders or junior standing declared in Biology major with Neurobiology option

**Course Designation:** Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

**CS&D 681 – SENIOR HONORS THESIS**

3 credits.

Enroll Info: Sr st cons of dept hrs adv

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Honors - Honors Only Courses (H)

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 682 – SENIOR HONORS THESIS**

3 credits.

Enroll Info: Sr st cons of dept hrs adv

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Honors - Honors Only Courses (H)

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 698 – DIRECTED STUDY**

1-6 credits.

Cr/N. Enroll Info: Jr or Sr st. Graded on a Cr/N basis; requires cons inst

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**CS&D 699 – DIRECTED STUDY**

1-6 credits.

Program of reading devised by a staff member in collaboration with the student. Enroll Info: Jr or Sr st. Graded on a lettered basis; requires cons inst

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2019

**CS&D 702 – RESEARCH METHODS IN COMMUNICATION SCIENCES AND DISORDERS**

3 credits.

This course will introduce learners to research methods in communication sciences and disorders with the goal of producing clinicians and clinician-scientists who: (1) are conversant in and can use scientific principles in their daily lives research, and clinical practice; (2) evaluate scientific evidence as disseminated through multiple channels; (3) find and store research findings efficiently for use in clinical practice or research studies; and (4) understand and implement ethical use of human participants, animal subjects and responsible conduct of research principles in their careers. Enroll Info: Enrollment in the clin speech-lang pathology masters program or consent of instructor

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2015

**CS&D 703 – LANGUAGE AND LEARNING DISORDERS OF CHILDREN**

3 credits.

Theoretical concepts of symbolic disorders with emphasis on variables which interfere with language learning and function. Enroll Info: Com Dis 440 or cons inst

**Requisites:** Graduate standing or declared in Doctor of Pharmacy professional program

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

**CS&D 704 – ACQUIRED LANGUAGE AND COGNITIVE-COMMUNICATION DISORDERS IN ADULTS**

3 credits.

Intervention for adults with acquired aphasia and cognitive-communication disorders, including principles of evaluation and treatment. Enroll Info: Com Dis 503

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 705 – MOTOR SPEECH DISORDERS/AUGMENTATIVE AND ALTERNATIVE COMMUNICATION**

3 credits.

The nature and classification of motor speech disorders, and techniques and methods which provide non-speaking children and adults with effective means of interaction and communication. Enroll Info: None

**Requisites:** CS&D 503 and CS&D 703

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 706 – MANAGEMENT AND ASSESSMENT OF VOICE DISORDERS**

3 credits.

Techniques applicable to children and adults with disorders of voice, both functional and organic in origin. Lecture plus lab or observation. Enroll Info: Com Dis 318 or cons inst

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

**CS&D 707 – SWALLOWING DISORDERS**

2-3 credits.

Presents information on the anatomy, physiology, and neural bases of normal swallowing, the various diseases that can affect swallowing function, the nature of swallowing dysfunction and ways to assess it, and treatment options for patients with swallowing disorders. Enroll Info: None

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2018

**CS&D 708 – FLUENCY AND PHONOLOGICAL DISORDERS**

3 credits.

An advanced course concerning the etiology, definition, diagnosis, and management of fluency and phonological disorders in children and adults. Enroll Info: 2nd yr st in masters prog in speech-lang pathology

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2018

**CS&D 709 – LANGUAGE DEVELOPMENT AND DISORDERS IN SCHOOL AGE POPULATIONS: SCHOOL METHODS AND PROCEDURES**

3 credits.

This course will review contemporary literature relating to the language development and disorders of school age children and adolescents. Emphasis is on a description of disorders, assessment techniques, and school methods and procedures. The course addresses UW-Madison Teacher Education Standards; WI Rules and Statutes, Teaching Standards stipulated in PI 34. Enroll Info: None

**Requisites:** CS&D 703

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 712 – INTRODUCTION TO CLINICAL METHODS**

1 credit.

This is the first clinical methods course for entering speech-language pathology graduate students. The course provides learning opportunities to increase students' knowledge and skills related to assessment and intervention of persons with communication disorders. It is a forum for discussion, reflection and practicing clinical skills. Enroll Info: None

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2014

**CS&D 713 – INTRODUCTION TO MEDICAL SPEECH PATHOLOGY**

1 credit.

The course content focuses on methods for participating in medical site speech pathology including professionalism, documentation, insurance, ethics, and counseling. Enroll Info: Com Dis 503, 702, 707, 708, and 790

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 714 – SCHOOL METHODS AND PROCEDURES IN SPEECH-LANGUAGE PATHOLOGY**

1 credit.

The course content focuses on evidence-based practices, assessment and evaluation frameworks, and clinical methods related to school services in speech-language pathology. Enroll Info: Com Dis 503, 702, 707, 708, and 790

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2016

**CS&D 752 – CAPSTONE IN COMMUNICATION SCIENCES AND DISORDERS: INTEGRATION OF CLINICAL AND RESEARCH METHODS**

3 credits.

Designed to ensure students (1) can use scientific principles in their daily lives and clinical practice; (2) can evaluate scientific evidence as disseminated through multiple channels for use in research and clinical practice; (3) can understand and apply parallel modes of thinking in clinical practice and research. Enroll Info: None

**Requisites:** CS&D 705, 706, 707, 708, 709

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2019

**CS&D 790 – PRACTICUM IN COMMUNICATIVE DISORDERS**

1-5 credits.

Supervised experience with persons manifesting communicative problems. Evaluation, rehabilitation, and conservation of hearing, language, and speech disorders in various clinical settings. Register for only 1 cr; Clinical Director authorizes any additional cr; sites on/off campus. Enroll Info: None

**Requisites:** Consent of instructor**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 799 – INDEPENDENT STUDY**

1-6 credits.

See description for Com Dis 999. Enroll Info: None

**Requisites:** Consent of instructor**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Fall 2018**CS&D 805 – PROFESSIONAL ISSUES: DIVERSITY AND MULTICULTURAL POPULATIONS**

1 credit.

Evaluation and management of persons with communication disorders across diverse cultural, personal values and beliefs. Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2009**CS&D 806 – PROFESSIONAL ISSUES: MEDICAL ISSUES**

1 credit.

Evaluation and management of persons with communication disorders within a medical setting. Information regarding various medical settings, ethics, functional goals, and documentation (e.g. billing, reporting, etc.). Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Summer 2018**CS&D 832 – PEDIATRIC AUDIOLOGY**

3 credits.

Study of normal physical, social, cognitive, speech and language and auditory development in children, the causes and effects of childhood hearing loss, hearing screening and the principles of early intervention, and the behavioral and objective assessment of hearing in children. Enroll Info: Grad st cons inst, Com Dis 850, 851, 852, 858

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 833 – OCCUPATIONAL AUDIOLOGY**

2 credits.

Consideration of principles and issues regarding the effects of noise on people, of federal and state regulation of workplace noise, and of the practical aspects of hearing conservation for those exposed to occupational noise, non-occupational noise, or both. Enroll Info: Grad st, Com Dis 801,802, 821

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Summer 2018**CS&D 834 – COUNSELING IN AUDIOLOGY**

2 credits.

Enroll Info: Grad st, Com Dis 821, 823, 832

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 835 – CLINICAL RESEARCH METHODS**

3 credits.

Critical analysis of research in speech-language pathology and audiology including theoretical support, research design, statistical levels of measurement, methods of reporting research results, and drawing conclusions from the results. Students encouraged to pursue research interests. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 854

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 836 – PEDIATRIC HABILITATION/REHABILITATION**

3 credits.

Study of the principles and techniques of intervention with hearing impaired children, including the selection and fitting of amplification, the effect of hearing impairment on speech perception, production, and language, communication and educational options, and the re/habilitation of communication skills. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 856, 832, 863

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019

**CS&D 837 – AUDITORY AND VESTIBULAR PATHOLOGIES I**

2 credits.

Survey of the most common peripheral auditory system pathologies and their presentation in the auditory evaluation. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 856, 858

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2012**CS&D 845 – THE HUMAN BALANCE SYSTEM: STRUCTURE, ASSESSMENT, AND REHABILITATION**

2 credits.

Study of human balance function with emphasis on the vestibular system, including neurophysiology, testing, and rehabilitation. Clinical experience in electronystagmography (ENG) and videonystagmography (VNG), analysis of results, familiarization with rotational and posturography tests, and treatment techniques are included. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 860, 862

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 846 – THE HUMAN BALANCE SYSTEM: LABORATORY**

1 credit.

The focus will be on training the student to perform and analyze the results of electronystagmography (ENG) and videonystagmography (VNG) examinations, and practice the canalith repositioning maneuver. If possible, students will observe the administration of rotational and posturography tests. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 860, 862, con reg in 845

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 849 – GERIATRIC AUDIOLOGY: DIAGNOSIS AND REHABILITATION**

2 credits.

A study of basic theories of aging, anatomical and physiological effects of aging on the auditory and balance systems, and resulting communication difficulties associated with aging. The course emphasizes both the diagnostic and rehabilitative challenges in working with elderly patients. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 856, 862

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 850 – HEARING SCIENCE I: BASIC ACOUSTICS AND PSYCHOACOUSTICS**

3 credits.

Study of anatomy and physiology of the human auditory system, with an emphasis on the peripheral system. Basic concepts in psychoacoustics are discussed with reference to the normal and pathological auditory systems. Enroll Info: Grad st cons inst, Com Dis 202, 320

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 851 – HEARING SCI II: ADVANCED TOPICS IN HEARING AND BALANCE**

3 credits.

Introduction to advanced concepts, theories, and experimental procedures related to psychophysics, anatomy and physiology of the auditory and vestibular systems. The focus is on central mechanisms of hearing and balance, and the role that these processes play in psychophysical phenomena. Enroll Info: Grad st, cons inst, con reg in Com Dis 850

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2011**CS&D 852 – HEARING ASSESSMENT**

2 credits.

Familiarizes students with the bases, purpose, rationale and procedures for tests of auditory function, the importance of understanding auditory function and available evidence as bases for test selection and the importance of the objective(s) of diagnostic procedures. Enroll Info: Grad st con reg in Com Dis 853

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 853 – HEARING ASSESSMENT LABORATORY**

1 credit.

Familiarize students with the procedures for tests of auditory function, the importance of understanding auditory function and available evidence as bases for test selections and the importance of realizing the objective(s) forming the bases of diagnostic procedures. Enroll Info: Con reg in Com Dis 852

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018

**CS&D 854 – ELECTROACOUSTICS AND INSTRUMENT CALIBRATION**

2 credits.

Systematic review of physical concepts of acoustics and electronics underpinning the practice of audiology, as well as formally adopted standards by which clinical environments, instruments and procedures are calibrated. Enroll Info: Grad st, cons inst con reg in Com Dis 855

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 855 – ELECTROACOUSTICS AND CALIBRATION LABORATORY**

1 credit.

Laboratory experience in electroacoustic measurement and calibration of examination spaces, test equipment, and amplification systems pertinent to the practice of audiology. Enroll Info: Grad st, con reg in Com Dis 854

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 856 – AMPLIFICATION SYSTEMS I**

2 credits.

Study of the components and electroacoustic characteristics of hearing aids and assistive listening devices, as well as approaches for selecting the devices and verifying their fitting. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 853, 891, con reg in Com Dis 857

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 857 – LABORATORY IN AMPLIFICATION SYSTEMS I**

1 credit.

Testing, fitting, and repairing hearing aids, performing basic hearing aid tests and repairs, proper cerumen removal and ear impression techniques, and using appropriate strategies in fitting. Electroacoustic evaluation and use of probe microphone measures in hearing aid fitting. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 853, con reg in 856

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 858 – PHYSIOLOGICAL ASSESSMENT IN AUDIOLOGY I**

2 credits.

Study of concepts and procedures physiological assessment of the auditory system, with emphasis on otoacoustic emissions and auditory brainstem responses. Clinical applications and case studies integrate these recordings with behavioral assessment of the auditory system.

Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, con reg in 859

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 859 – LABORATORY IN PHYSIOLOGICAL ASSESSMENT OF THE AUDITORY SYSTEM I**

1 credit.

Laboratory experience in the procedures and interpretation of physiological assessment of the auditory system, with the major emphasis on otoacoustic emissions and the auditory brainstem response. Enroll Info: Grad st, cons inst, con reg in Com Dis 858

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 860 – PHYSIOLOGICAL ASSESSMENT IN AUDIOLOGY II**

2 credits.

Advanced study of physiological measures used by audiologists in threshold and diagnostic evaluations, including acoustic immittance, middle and long latency auditory evoked potentials, and P300, and MMN. Course includes an introduction to evaluation of the balance system. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 853, 858, 859, con reg in 861

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 861 – LABORATORY IN PHYSIOLOGICAL ASSESSMENT OF THE AUDITORY SYSTEM II**

1 credit.

Laboratory experience in objective measures used by audiologists for threshold and diagnostic evaluations, including acoustic immittance, middle and long latency auditory evoked potentials, P300, and MMN. Demonstrations, projects, and case studies prepare students to administer and interpret these tests. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 853, con reg in 860

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018

**CS&D 862 – AUDITORY AND VESTIBULAR PATHOLOGIES II**

3 credits.

Major disorders of the auditory and vestibular systems, with an emphasis on differential diagnosis of disorders of the endorgans and neural systems and multisystem disorders. Casual factors, treatment, prognosis, and case studies are included. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 858, 837

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 863 – IMPLANTABLE AUDITORY PROSTHESES**

2 credits.

The audiological management of severe to profound hearing loss using implantable auditory prostheses. This course will focus on cochlear implants, and will also provide an introduction to the auditory brainstem implant. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 832, 856

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2018**CS&D 864 – AUDITORY PROCESSING DISORDERS**

2 credits.

A study of auditory processing disorders in children and adults. This course will cover aspects of a multidisciplinary assessment of auditory processing and the variety of treatment methods. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 832

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2010**CS&D 865 – PRACTICE MANAGEMENT**

2 credits.

Consideration of non-profit and for-profit practice models with emphasis on organizational structure, legal and tax implications, financial performance, policies and practices of personnel management, marketing strategies, risk management and professional ethics. Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 866 – AMPLIFICATION SYSTEMS II**

2 credits.

Strategies for fitting hearing aids, including selection and recommendation, use of prescription gain formulas, and verification of gain. Considerations in geriatric and pediatric hearing aid fitting and ethical issues. Basic techniques in determining patient satisfaction with hearing aids. Enroll Info: Grad st, cons inst, Com Dis 850, 851, 852, 854, 856

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 867 – SCHOOL METHODS FOR AUDIOLOGISTS**

1 credit.

Designed to fulfill Wisconsin's Department of Public Instruction (DPI) licensing requirements for audiologists. This course will help students apply their knowledge and skills in assessment and intervention of hearing related disorders to the public school setting. Enroll Info: Au.D. student or cons inst

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2019**CS&D 891 – CLERKSHIP IN AUDIOLOGY I**

1-3 credits.

An introductory, first year, practicum focusing on the acquisition of beginning skills in both screening and diagnostic audiology. It provides initial training in the use of audiometric instruments and software, patient interactions, and reporting procedures. Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 892 – CLERKSHIP IN AUDIOLOGY II**

1-3 credits.

This second year clerkship focuses on the physiologic assessment of the vestibular and the peripheral and central auditory systems. It also provides continued development of skills in the assessment of hearing and the implementation of treatment plans across all ages. Enroll Info: Com Dis 891

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019

**CS&D 893 – CLERKSHIP IN AUDIOLOGY III**

1-4 credits.

This third year clerkship provides opportunities to practice skills in settings outside of the university clinics. The goal is to advance all skills to the developing level so that the student can perform assessments and treatment with less supervision. Enroll Info: Com Dis 892

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 894 – EXTERNSHIP IN AUDIOLOGY**

2-4 credits.

The externship year continues development of skills in assessment of hearing and implementation of treatment plans across all ages. The goal is to develop skills to the mastery level where the student can perform competently with a minimum of supervision. Enroll Info: Com Dis 893

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 899 – CAPSTONE STUDY IN AUDIOLOGY**

1-3 credits.

Independent work on a capstone project under the supervision of a faculty member. Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 900 – SEMINAR-SPEECH SCIENCE**

2-3 credits.

Focus varies with staff. Various aspects of physiological and acoustic phonetics and of speech perception. Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 913 – SEMINAR-PROBLEMS IN VOICE DISORDERS**

1-3 credits.

Symptomatology, etiology, diagnosis, and treatment of voice disorders with emphasis on current research procedures and findings and consideration of special problems. Enroll Info: None

**Requisites:** Consent of instructor**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 921 – SEMINAR-PROBLEMS IN AUDIOLOGY**

1-3 credits.

Current interests in areas of auditory evaluation, pathology or rehabilitation. Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 945 – SEMINAR: LANGUAGE AND COGNITION**

2-3 credits.

Relation of cognitive development to normal and deviant language acquisition and performance. Critical review of theoretical approaches and experimental data. Enroll Info: None

**Requisites:** Graduate/professional standing**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2011**CS&D 990 – RESEARCH AND THESIS**

1-12 credits.

Under the supervision of a staff member. Enroll Info: None

**Requisites:** Consent of instructor**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019**CS&D 999 – INDEPENDENT STUDIES**

1-3 credits.

Creative project designed by the student and supervised by staff. Enroll Info: None

**Requisites:** Consent of instructor**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2019