

# 2009-2010 Course Catalog

The University Of Montana

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## Department of Communicative Science and Disorders

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### Al Yonovitz, Chair

Graduates of the Undergraduate Program in Communicative Sciences and Disorders are equipped to pursue graduate study in speech-language pathology, audiology, various education specialties, business, and health care as well as such fields as developmental and cognitive psychology.

Both speech-language pathology and audiology require graduate-level degrees for professional practice. Students who graduate with a Bachelor of Arts degree and prefer not to enter a graduate program often pursue careers in fields that include human services, education, and business.

### Special Degree Requirements

Refer to graduation requirements listed previously in the catalog. See index.

### Requirements for a Bachelor of Arts with a major in Communicative Sciences and Disorders

To graduate with a degree in Communicative Sciences and Disorders, the student must complete 42 total CSD credits with 30 of those credits in courses numbered 300 or above. Students must also successfully complete all out of department required courses (see below). The Upper division Writing Expectation must be met by successfully completing CSD 430 and 440.

#### Required courses within Department (42 crs.):

- CSD U 110 - The Field of CSD.....3
- CSD U 210 - Speech and Language Development.....3
- CSD U 221 - Fundamentals of Acoustics: Applications in Speech, Hearing & Language.....3
- CSD U 222 - Introduction to Audiology.....3

- CSD U 310 - The Clinical Process.....3
- CSD U 320 - Phonological Development and Phonetics.....3
- CSD U 330 - Anatomy and Physiology of the Speech and Hearing Mechanisms.....3
- CSD U 340 - Foundations of Speech Disorders.....3
- CSD U 360 - Language Disorders.....3
- CSD U 411 - Neuroanatomy and Physiology for Communication.....3
- CSD U 420 - Speech Science.....3
- CSD U 430 - Senior Capstone I.....3
- CSD U 440 - Senior Capstone II.....3
- CSD U 450- Aural Rehabilitation.....3

**Out of Department required courses (19-20 crs.)**

- BIOL 100N or 110N - The Science of Life or Principles of Biology.....3-4
- COMM 173 - Language Culture and Society.....3
- STAT 216 (MATH 241) - Introduction to Statistics.....3
- PSYX 100S (PSYC 100S) - Introduction to Psychology.....4
- PSYX 120 (PSYC 120) - Research Methods I.....3
- PSYX 230S (PSYC 240S) - Developmental Psychology.....3

**Elective courses within Department:**

- CSD U 350 - Introduction to Clinical Audiology.....3
- CSD U 370 - Issues in Hearing Loss.....3
- CSD UG 480 - Multicultural Issues in Speech, Language and Hearing.....3
- CSD U 490 - Undergraduate Clinical Practicum.....3
- CSD U 495 - Special Topics.....3
- CSD U 497 - Independent Research.....3

**Elective courses out of Department:**

- LING 270S - Introduction to Linguistics.....3

**Suggested Course of Study**

First Year	A	S
CSD 110 The Field of CSD 3	-	
PSYX 100S (PSYC 100S) - Introduction to Psychology 4		
M 115 (MATH 117) - Probability and Linear Math 3		
WRIT 101 (ENEX 101) College Writing I 3	-	
COMM 173 Language, Culture and Society -		3
BIOL 100N The Science of Life 3	-	
General Education/Electives 6		6
<b>Total Credits 15</b>		<b>16</b>
Second Year		
CSD 210 Speech & Language Development 3		-
CSD 221N Foundations of Acoustics 3		-
CSD 222 Introduction to Audiology -		3
CSD 330 Anat & Phys Speech Mech -		3
PSYX 230S (PSYC 240S) Developmental Psychology 3		-
PSYX 120 Research Methods I -		3
General Education/Electives 6		6
<b>Total Credits 15</b>		<b>15</b>
Third Year		
CSD 310 Clinical Process -		3
M 216 (MATH 241) Introduction to Statistics 4		-
CSD 320 Phono Devel & Phonetics 3		-

CSD 340 Foundations Speech Disorders	-	3
CSD 360 Foundations of Language Disorders	-	3
General Education/Electives (Students must complete 9 total upper-division credits outside of the CSD major)	9	6
Total Credits	16	15

#### Fourth Year

CSD 411 Neuroanatomy & Physiology for Comm	3	-
CSD 430 Senior Capstone I	3	-
CSD 420 Speech Science	-	3
CSD 440 Senior Capstone II	-	3
CSD 480 Multicultural Issues (recommended for graduate studies)	3	-
CSD 450 Aural Rehabilitation	-	3
Electives (Students must complete 9 total upper-division credits outside of the CSD major)	6	6
Total Credits	15	15

## Courses

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

### Communicative Sciences and Disorders (CSD)

U 110 The Field of Communicative Sciences and Disorders 3 cr. 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.

U 210 Speech and Language Development 3 cr. Topics include typical speech and language development, phonology, semantic, morphological, syntax, and pragmatics, along with individual differences, second language acquisition and literacy.

U 221N Fundamentals of Acoustics: Applications in Speech, Hearing and Language 3 cr. 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.

U 222 Introduction to Audiology 3 cr. 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.

U 310 The Clinical Process 3 cr. Underlying principles of clinical methods and practice including the observation of human behavior and clinical processes, assessment of communication differences, and clinical management of these differences, delays and disorders, behavior, interviewing/counseling, lesson planning and writing skills.

U 320 Phonological Development and Phonetics 3 cr. 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.

U 330 Anatomy and Physiology of the Speech and Hearing Mechanisms 3 cr. Prereq., CSD 210. Introduction to anatomy and physiology of the speech and hearing mechanisms including the anatomical orientation and embryological development, the breathing mechanism, structures of phonation, articulators, audition and the nervous system.

U 340 Foundations of Speech Disorders 3 cr. Nature of various speech disorders and basic understanding of principles underlying assessment and treatment of these disorders.

U 350 Introduction to Clinical Audiology 3 cr. Theoretical background of clinical audiology, application of tests, and clinical assessments (observations and testing).

U 360 Language Disorders 3 cr. Identification, assessment, and intervention for a variety of childhood and adult language disorders. Other topics include secondary conditions, potential developmental, psychosocial and educational concerns, multicultural considerations, and family roles.

U 370 Issues in Hearing Loss 3 cr. Reviews the basic principles of hearing and hearing loss. Explores the principles of basic audiologic rehabilitation, amplification technology and cochlear implants. Includes psychosocial aspects of hearing loss, counseling, communication modalities and deaf culture.

U 411 Neuroanatomy and Physiology for Communication 3 cr. Prereq., CSD 330 and BIOL 100N or 110N. 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.

U 420 Speech Science 3 cr. Physiologic, neurologic, and acoustic aspects of human communication, theoretical framework for speech science, and principles of acoustics applied to speech pathology.

U 430 Senior Capstone I 3 cr. 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.

U 440 Senior Capstone II 3 cr. Prereq., CSD 430. Part two of a two course sequence where the student completes an independent research project. Students research and write about a topic of their choice and present their findings at the end of the semester.

U 450 Aural Rehabilitation 3 cr. Fundamental skills in speech reading and various types of hearing aids, and the tools necessary to assess and implement auditory training. Both children and adults are included.

UG 480 Multicultural Issues in Speech, Language and Hearing 3 cr. Topics include: dynamics of community and culture; strategies to communicate with people from a variety of backgrounds; learning English as a second language; and phonological and linguistic analysis of differences between Standard English speakers and culturally diverse populations. International differences in service delivery.

U 490 Undergraduate Clinical Practicum 1-3 credits (per semester) Prereq., CSD 310, 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.

U 495 Special Topics 3 cr. Offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

U 497 Independent Research 3 cr. Offered autumn and spring. Prereq., consent of instructor.

## **Faculty**

### **Associate Professors:**

- Al Yonovitz, Ph.D. CCC-A, MaudSA (University of Connecticut, 1973 (Chair))

### **Associate/Assistant Professors**

- Lucy Hart Paulson, Ed.D., CCC-SLP (The University of Montana, 2004)
- Amy Glaspey, Ph.D., CCC-SLP (The University of Washington, 2006)
- Jodi Klein, MS, CCC-SLP (Ph.D. pending, The University of North Dakota)
- Ginger C. Collins, MS, CCC-SLP (Ph.D. pending, Louisiana State University)

### **Clinical Faculty**

- Christine Merriman, M.A., CCC-SLP (The University of Montana, 1979)
- Rose Mary Johnson, M.S., CCC-SLP (West Virginia University, 1980)