

Speech, Language, and Hearing (SLH), COMMUNICATION SCIENCES & DISORDERS (CSD)

SPEECH, LANGUAGE, AND HEARING (SLH)

101. Introduction to Speech, Language, and Hearing. Credit 3 hours. A study of etiology, types, and characteristics of communication problems. An overview of the profession and concepts are presented.

200. Supervised Clinical Practicum. Credit 3 hours. Practice in hearing and speech screening, evaluation and clinical procedures in working with speech disorders, administration of diagnostic tests, and writing lesson plans for individuals and groups.

201. Introduction to Audiology. Credit 3 hours. The course is designed to provide students with a study of the transmission of sound, anatomy of the outer, middle and inner ear; etiology and detection of hearing impairment. Basic instruction in pure tone air and bone conduction, masking, speech, audiometry, and immittance procedures included to acquaint students with the entire field of audiology.

202. Clinical Methods for Communication Disorders. Credit 3 hours. Prerequisites: Speech, Language and Hearing 101, 205, 212, and 213. This course presents information on the fundamentals of clinical methods in speech-language pathology. Course content covers learning theory and clinical procedures to prepare students for subsequent clinical experiences with individuals with a variety of speech and language disorders. Clinical observations are required.

203. Introduction to Language. Credit 3 hours. This course will introduce the student to the basic concepts of language structure. Practice in discovering and describing language patterns will support the development of an objective approach to language differences. The course will include a survey of related topics such as animal vs. human communication and neurological and psychological issues in the study of language.

205. Phonetics. Credit 3 hours. A study of the physical bases of sound production and perception, with emphasis on analysis, description and transcription of the phonological patterns of normal and disordered speech.

212. Articulation and Phonology Disorders. Credit 3 hours. Prerequisites: Speech, Language, and Hearing 101, 205, and 213. Identification, evaluation, and management of articulation and phonology disorders.

213. Anatomy and Physiology of the Speech and Hearing Mechanism. Credit 3 hours. Structure,

function, and control of the anatomy and physiology involved in the speech and hearing mechanism.

300. Beginning Clinical Practicum in Speech, Language and Hearing. Credit 3 hours. Prerequisites: Undergraduate Requirements: Speech Language and Hearing 201, 202, 205, 212, 213, and adjusted GPA of 2.5; Graduate students without a bachelor's degree in speech pathology requirements: Speech Language Hearing 201, 202, 205, 213, and 212 or another disorders course. Designed for undergraduate/graduate students performing at a beginning level of clinical competency. Students are assigned clients under the direct supervision of an SLU staff supervisor. This clinical experience includes administration of diagnostic tests, writing lesson plans, planning and implementing therapeutic procedures for clients with communication disorders, and attending clinic staffing as required.

309. Diagnostic Procedures in Speech-Language Pathology. Credit 3 hours. Prerequisites: Speech Language and Hearing 101, 205, 212, and 213. A study of the major diagnostic methods, evaluation procedures and report writing used in speech-language pathology. Observation and clinical application of diagnostic procedures will be emphasized.

311. Clinical Practicum-Speech, Language, and Hearing. Credit 1 hour. Participation in supervised direct clinical activities with a variety of speech and language disorders.

326. Acoustics and Speech Physiology. Credit 3 hours. Prerequisite: Speech Language and Hearing 201. The course is designed to provide students with basic principles concerning sound production and reception. The relationship of these principles to the practice of speech pathology and audiology is established.

400. Clinical Practicum. Credit 1 hour. Participation in supervised direct clinical activities dealing with audiometric evaluation and rehabilitation. Credit cannot be given for both Speech Language and Hearing 400 and Communication Sciences Disorders 514.

401. Stuttering and Related Disorders. Credit 3 hours. The course is designed to provide students with an advanced survey of facts and theories about stuttering and other fluency disorders. In addition, principles of assessment and therapy of fluency disorders will be covered. Credit cannot be given for both Speech Language and Hearing 401 and Communication Sciences Disorders 512.

406. Voice and Voice Disorders. Credit 3 hours. A study of the organic and functional disorders of voice; etiologies and management. Credit cannot be given for both Speech Language and Hearing 406 and Communication Sciences Disorders 506.

409. Directed Readings in Speech, Language, and Hearing. Variable credit: 1, 2, or 3 hours. Directed individual study of selected area(s) in speech, language, and hearing. Area(s) of study to be designated by instructor. Students may repeat the course for a total of 6 credit hours. Number of credit hours will be determined by the instructor based on the complexity and depth of the subject matter.

410. Intermediate Clinical Practicum in Speech, Language and Hearing. Credit 3 or 6 hours.

Prerequisite: Undergraduate requirements: Speech Language and Hearing 300 and 309, and an adjusted GPA of 2.5. Designed for undergraduate students who have acquired a minimum of 35 clinical contact hours and are performing at a beginning level of clinical competency. Students are assigned clients under the supervision of an SLU staff supervisor. In addition to therapeutic skills, students are expected to acquire more advanced skills in the diagnostic process and the writing of various types of professional reports. Students will attend all clinic staffing as required.

411. Aural Habilitation and Rehabilitation. Credit 3 hours. Prerequisite: Speech Language and Hearing 201 or permission of the instructor. Exploration of communication training options for individuals with congenital and acquired hearing loss. Credit cannot be given for both Speech Language and Hearing 411 and Communication Sciences Disorders 511.

413. Public School Speech, Language, and Hearing Services: Methods and Materials. Credit 3 hours. Prerequisites: 202, 212, 300, 309 and 415. This course presents a study of the organization and delivery of SLH services in the public school setting. Course content emphasizes practical information regarding the foundation, implementation and maintenance aspects of conducting a public school SLH program. Topics to be covered include:legislation program structure, diagnostic and therapeutic methods, inclusion, the speech pathologist as a consultant and data manager. Development of I.E.P. and I.F.S.P. plans included. Credit cannot be given for both Speech Language and Hearing 413 and Communication Sciences Disorders 513.

415. Speech and Language Development. Credit 3 hours. A study of the major theories of language acquisition. The normal sequence of child development will be highlighted. Cultural and linguistic differences will be discussed. Credit cannot be given for both Speech Language and Hearing 415 and Communication Sciences Disorders 515.

416. Management of Child Language Disorders. Credit 3 hours. Prerequisite: Speech Language and Hearing 415 or Communication Sciences Disorders 515. This course provides an overview of children's language disorders. Linguistic and extralinguistic characteristics associated with various disorders are discussed, and the bases for differential diagnosis are provided. General and specific strategies for intervention are introduced. Credit cannot be given for both Speech Language and Hearing 416 and Communication Sciences Disorders 516.

451. Introduction to Augmentative/Alternative Communication. Credit 3 hours. Course presents an overview of communication and the role of augmentative and alternative communication in educational/therapeutic programs. Attention is focused on service delivery for individuals with severe communication disorders. Assessment, intervention, program development, and expansion of existing augmentative and alternative communication systems are included. Credit cannot be given for both Speech Language and Hearing 451 and Communication Sciences Disorders 551 or Special Education 457/557.

452. Computer Applications for Individuals with Special Needs. Credit 3 hours. Prerequisites: Special Education 200 or 600, Education 201 or permission of Department Head. A course designed to provide an overview of microcomputers and other technology with an emphasis on applications for special populations. Topics include: basic computer operations/adaptations, learning theories related to educational/clinical uses of technology, computer-managed instruction, and computer-assisted instruction. Awareness of technology-related ethical issues and knowledge of resources useful to computer users will be components of the course. Credit cannot be given for both Speech Language and Hearing 452 and Communication Sciences Disorders 552 or Special Education 458/558.

460. Oral Reporting/Professional Communication Skills for Speech-Language Pathologists. Credit 3 hours. Prerequisites: Speech Language and Hearing 202, 213, 309, 415. Students will be trained to perform a variety of oral reports, ranging from brief informal discussions to highly prepared formal case presentations and grand rounds. Students will also become skilled at organizing and writing clinical reports, educational programs and computerized report writing. Credit cannot be given for both Speech Language and Hearing 460 and Communication Sciences Disorders 560.

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506. Voice and Voice Disorders. Credit 3 hours. A study of the organic and functional disorders of voice; etiologies and management. Credit cannot be given for both Speech Language and Hearing 406 and Communication Sciences Disorders 506.

510. Beginning Clinical Practicum in Communication Disorders. Credit 3 or 6 hours. Prerequisites: 25 observation hours for graduate students without a bachelor's degree in speech pathology and Speech Language and Hearing 201, 202, 205, 212, 213, 300, 309. Designed for graduate students performing at a beginning level of clinical competency. Students are assigned clients under the direct supervision of an SLU staff supervisor. In addition to therapeutic skills, students are expected to acquire more advanced skills in the diagnostic process and the writing of various types of professional reports. Students will attend all clinic staffing as required.

511. Aural Habilitation and Rehabilitation. Credit 3 hours. Prerequisite: Speech Language and Hearing 201 or permission of the instructor. Exploration of communication training options for individuals with congenital and acquired hearing loss. Credit cannot be given for both Speech Language and Hearing 411 and Communication Sciences Disorders 511.

512. Stuttering and Related Disorders. Credit 3 hours. This course addresses theories, assessments and therapeutic techniques relative to stuttering and related disorders. Emphasis will be placed on clinical application of knowledge and skills. Credit cannot be given for both Speech Language and Hearing 401 and Communication Sciences Disorders 512.

513. Public School Speech, Language, and Hearing Services: Methods and Materials. Credit 3 hours. Prerequisites: 202, 212, 300, 309 and 415. This course presents a study of the organization and delivery

of Speech Language and Hearing services in the public school setting. Course content emphasizes practical information regarding the foundation, implementation and maintenance aspects of conducting a public school Speech Language and Hearing program. Topics to be covered include: legislation program structure, diagnostic and therapeutic methods, inclusion, the speech pathologist as a consultant and data manager. Development of I.E.P. and I.F.S.P. plans included. Credit cannot be given for both Speech Language and Hearing 413 and Communication Sciences Disorders 513.

514. Clinical Practicum. Credit 1 hour. Participation in supervised direct clinical activities dealing with audiometric evaluation and rehabilitation. Credit cannot be given for both Speech Language and Hearing 400 and Communication Sciences Disorders 514.

515. Speech and Language Development. Credit 3 hours. A study of the major theories of language acquisition. The normal sequence of child development will be highlighted. Cultural and linguistic differences will be discussed. Credit cannot be given for both Speech Language and Hearing 415 and Communication Sciences Disorders 515.

516. Management of Child Language Disorders. Credit 3 hours. Prerequisite: Speech Language and Hearing 415 or Communication Sciences Disorders 515. This course provides an overview of children's language disorders. Linguistic and extralinguistic characteristics associated with various disorders are discussed, and the bases for differential diagnosis are provided. General and specific strategies for intervention are introduced. Credit cannot be given for both Speech Language and Hearing 416 and Communication Sciences Disorders 516.

535. Advanced Hearing Testing. Credit 3 hours. Prerequisite: Speech, Language, and Hearing 201 or permission of instructor. Emphasis on site of lesion tests and testing procedures that require additional information beyond the standard audiometric evaluation. Interpretation of the test results and clinical applications will be included.

551. Introduction to Augmentative/Alternative Communication. Credit 3 hours. Course presents an overview of communication and the role of augmentative and alternative communication in educational/therapeutic programs. Attention is focused on service delivery for individuals with severe communication disorders. Assessment, intervention, program development, and expansion of existing augmentative and alternative communication systems are included. Credit cannot be given for both Speech Language and Hearing 451 and Communication Sciences Disorders 551 or Special Edycatuib 457/557.

552. Computer Applications for Individuals with Special Needs. Credit 3 hours. Prerequisites: Special Education 200 or 600, Education 201 or permission of Department Head. A course designed to provide an overview of microcomputers and other technology with an emphasis on applications for special populations. Topics include: basic computer operations/adaptations, learning theories related to educational/clinical uses of technology, computer-managed instruction, and computer-assisted instruction. Awareness of technology-related ethical issues and knowledge of resources useful to

computer users will be components of the course. Credit cannot be given for both Speech Language and Hearing 452 and Communication Sciences Disorders 552 or Special Education 458/558.

560. Oral Reporting/Professional Communication Skills for Speech-Language Pathologists. Credit 3 hours. Prerequisites: Speech Language and Hearing 202, 213, 309, 415. Students will be trained to perform a variety of oral reports, ranging from brief informal discussions to highly prepared formal case presentations and grand rounds. Students will also become skilled at organizing and writing clinical reports, educational programs and computerized report writing. Credit cannot be given for both Speech Language and Hearing 460 and Communication Sciences Disorders 560.

600. Psycholinguistics. Credit 3 hours. Prerequisites: Communication Sciences Disorders 602, 604, 615. A survey of the processes involved in encoding and decoding language at four levels of structure: phonology (the sound system), lexicon (words), morpho-syntax (phrases and sentences), and discourse (conversation), with specific attention to disturbance affecting the normal functioning of each of these levels.

602. Aphasia. Credit 3 hours. Prerequisites: Communication Sciences and Disorders 606 or permission of the instructor. A study of aphasia syndromes, etiologies, assessment strategies and treatment options.

603. Advanced Clinical Practicum in Communication Disorders. Credit 3 hours. Prerequisites: Communication Sciences and Disorders 602, 606, 611, and 200 clinical hours. Designed for graduate students in good standing performing at an advanced level of clinical competency. Students are assigned to a facility that predominantly serves adults. Emphasis is placed on all aspects of the client's remediation/rehabilitation program. Students will attend all clinic staffing as required.

604. Speech Science and Perception. Credit 3 hours. A study of the production, transmission, and perception of speech signals; anatomy, physiology, phonetics, acoustic, psychoacoustics, and acoustic cues. Laboratory experience and clinical applications will be included.

606. Neurophysiological Bases of Human Communication. Credit 3 hours. Advanced principles in anatomy and physiology of the nervous system will be reviewed with an emphasis on usage in medical speech-language pathology.

607. Seminar in Audiology. Credit 3 hours. Current trends in diagnosis and management of the individual with hearing impairments.

608. Craniofacial Anomalies. Credit 3 hours. Prerequisites: 506, 512. A study of craniofacial anomalies as they affect speech production. Assessment and management will be studied within the context of a team approach.

609. Independent Research in Communication Sciences and Disorders. Credit 3 hours. Students will design, carry out, and write, in journal style, a research project with guidance of the instructor.

610. Phonological Processes and Disorders. Credit 3 hours. Prerequisites: Communication Sciences Disorders 615. The course presents an in-depth study of the phonological component of the linguistic system with an emphasis on the assessment and treatment of phonological disorders in children.

611. Intermediate Clinical Practicum in Communication Disorders. Credit 3 hours. Prerequisites: Communication Sciences and Disorders 617 and 100 clinical hours. Designed for graduate students in good standing performing at an intermediate level of clinical competency. Students are assigned clients in a school or facility that predominantly serves children. Emphasis is placed on all aspects of the client's remediation/rehabilitation program. Students will attend all clinic staffing required.

612. Instrumentation in Hearing, Speech and Voice. Credit 3 hours. Prerequisite: Communication Sciences Disorders 604 or permission of instructor. Principles for applying instruments in the field of speech and hearing with an emphasis on clinical approaches to speech and hearing pathologies. A survey of the principal equipment and instrumentation which will be available to speech pathologists and audiologists in their professional activities within variety of settings.

613. Motor Speech Disorders. Credit 3 hours. Prerequisite: Communication Sciences Disorders 606. Advanced survey of perceptual and physio-acoustic dimensions of dysarthria and apraxia. The course will include in-depth training in differential diagnosis of each of these disorders. In addition, applications for treatment will be addressed.

614. Dysphagia. Credit 3 hours. The study of swallowing disorders in all age groups from newborns to the elderly that result from a variety of medical conditions. An in depth review of the literature will include prefeeding skills of infants as well as the disorders of deglutition and aging. Students will learn to evaluate radiographic examinations and make recommendations for therapy to be carried out by a team of experts that could include physicians, nurses, caregivers, occupational and physical therapists and nutritionists.

615. Structure of Language. Credit 3 hours. This introductory survey will cover the core areas of linguistic structure: phonetics (the mode of articulation and description of speech sounds), phonology (the sound system of language), morphology (word construction), syntax (the deep and surface structure of sentences), semantics (the meaning systems of language), and pragmatics (information structure and the use of language in communicative context). In addition, the course will examine language variation, including both social and regional dialects, and language change. Rudimentary training in the analysis of language data will be included. The course will focus on the variety of human language structures as well as on universal properties of language.

616. Language and Literacy. Credit 3 hours. The course emphasizes the interactive processes of language and literacy. Factors affecting the acquisition and development of literacy will be reviewed. Training in assessment procedures and intervention techniques for individuals with language-learning disorders will be stressed.

617. Advanced Diagnosis of Communicative Disorders. Credit 3 hours. Prerequisites: 212 and 612. Advanced instruction in the theory, methods and current research in diagnosis of communication disorders. Clinical assignment(s) is/are a component of the class.

618. Augmentative and Alternative Communication Intervention. Credit 3 hours. Prerequisite: 451/551 or permission of instructor. The course emphasizes intervention for individuals in need of augmentative or alternate communication (AAC) systems. Intervention includes the processes of assessment and program development for individuals with severe communication disorders. Variables that affect the development and implementation of AAC systems in various service delivery settings will be a major component of the course.

619. Bilingualism. Credit 3 hours. This introduction to bilingualism will focus primarily on children. Bilingualism will be viewed from social, psychological and linguistic perspectives; both advantages and potential problems associated with bilingualism will be considered. Specific analysis will be devoted to the acquisition, use and loss of two languages.

621. Principles of Communication Sciences and Disorders. Credit 3 hours. The course presents an advanced study of concepts and methods in the field of communication disorders.

623. Special Topics in Communication Sciences and Disorders. Credit 3 hours. Prerequisite: permission of instructor. Selected topics in the field of Communication Sciences and Disorders will be presented. Current issues and trends as well as traditional practices will be explored. May be repeated for credit.

626. Autism Spectrum Disorders. Credit 3 hours. A study of the nature of autism, including current thinking relative to etiology, cognition, and various behavioral aspects, with emphasis on communication and socialization. Practical applications for assessment and intervention will be highlighted.

627. Neuropathologies of Communication. Credit 3 hours. Prerequisite: Communication Sciences Disorders 606. Advanced survey exploring a variety of developmental and acquired neurogenic communication disorders, including cerebral palsy, dementia, right hemisphere syndrome and traumatic brain injury. Emphasis is on such clinical applications as dynamic assessment, differential diagnosis, and approaches to intervention.

687. Research Methods in Special Education and Speech Pathology. Credit 3 hours. Principles, procedures, and techniques of research with an intensive survey of scientific investigations in special education, speech pathology and audiology, and related fields. Emphasis on practical application for teachers/practitioners. Credit cannot be granted for both Communication Sciences Disorders 687 and Special Education 687.

770. Thesis. Credit 1-6 hours each semester, with six (6) hours needed for graduation. The student must enroll in the thesis course each semester the thesis is in progress. The thesis is graded Pass/Fail.

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