SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY (7700)

7700:530 Aspects of Normal Language Development (3 Credits)
(Not open to communicative disorders major) Introduction to acquisition and development of comprehension and production of language - phonologically, semantically and syntactically. Relates language acquisition to perceptual development of child and looks at function of language in individual, family and school.

7700:540 Augmentative Communication (3 Credits)
Prerequisite: Graduate standing in speech-language pathology. Overviews augmentative communication systems-candidates, symbol systems, devices, vocabulary, funding. Considers interdisciplinary issues in assessment/intervention.

7700:545 Multicultural Considerations for Audiologists & Speech-Language Pathologists (2 Credits)
Prerequisite: 7700:110 or graduate standing. This course introduces the multicultural considerations faced by audiologists and speech-language pathologists providing services to families and individuals with communication disorders.

7700:552 Child, Illness and Loss (3 Credits)
This course examines the phenomena of illness, loss and bereavement in modern society with a special emphasis on children and families.

7700:553 Facilitating Support Groups (3 Credits)
Theories, strategies and skills needed to facilitate support groups for children and for adults are studied using a variety of approaches including participation in a support group.

7700:554 Child in the Hospital (4 Credits)
Prerequisite: permission of the instructor. Seminar dealing with social needs and problems of hospitalized/ill child and family. Literature related to effects, separation, illness and stress. Examination of strategies for coping.

7700:555 Practicum: Experience in a Child-Life Program (3 Credits)
Prerequisite: 3760:561 or permission of the instructor. Field experience in a child life program and classroom activities including critical analysis of a currently functioning program and program administration.

7700:556 Child in the Hospital Lab (2 Credits)
Corequisite: 7700:554. Experiential lab in which students practice communication and clinical skills applied to pediatric diagnosis in a health related setting.

7700:560 Speech-Language & Hearing Disorders in the Public Schools (2 Credits)
(Not open to communicative disorders major) Nature, causes and treatment of speech, hearing and language disorders in public schools. Special reference to role of classroom teacher in identifying and referring student with suspected problems and in working with school clinician.

7700:561 Organization & Administration: Public School Speech-Language & Hearing Programs (2 Credits)
Prerequisites: Senior or graduate standing or permission. For clinicians who plan to work in public school systems. Covers program requirements and professional/ethical issues imposed by PL 94-142 and IDEA legislation.

7700:580 Early Intervention for Preschoolers (2 Credits)
Prerequisite: graduate status. This course explores model programs currently being offered to the three to five year old population, with and without disabilities at two different levels.

7700:583 Hospital Settings, Children & Families Lab (2 Credits)

7700:584 Hospital Settings, Children and Families (3 Credits)
Prerequisite: permission of the instructor. Focuses on hospital as a major social institution; introduces procedures and functions of the hospital; roles played by various hospital personnel plus cursory knowledge of medical terminology, common childhood diseases, illnesses and injuries.

7700:585 Developmental Disabilities (2 Credits)
Prerequisite: Full admission to the graduate program in speech-language pathology. This course addresses current practice related to clinical intervention designed for individuals with developmental disabilities. Explores the social aspects of communication, including challenging behavior, ineffective social skills, and lack of communication opportunities.

7700:590 Workshop: Speech-Language Pathology and Audiology (1-3 Credits)
(May be repeated for a total of four credits) Prerequisite: permission. Group investigation of particular phase of speech pathology and/or audiology not offered by other courses.

7700:594 Child Life Internship (5 Credits)
Prerequisite: 7700:555 and permission of advisor. Field experience in a child life program at an approved pediatric facility under the supervision of Certified Child Life Specialists.

7700:602 Assessment, Play and Therapeutic Interventions with Children (3 Credits)
An overview of the theoretical framework of play and assessment of children's developmental and emotional needs. Therapeutic interventions and activities are explored.

7700:603 Child Life Professional Practice and Communication (3 Credits)
Provides the knowledge of child life professional practice, standards of clinical practice, competencies and ethics. Skills related to therapeutic communication with patients, families and staff will be explored and practiced.

7700:608 Advanced Skills in Augmentative-Alternative Communication (1 Credit)
Prerequisites: 7700:540, 7700:613, and 7700:650 with a grade of A- or greater, graduate standing in speech-language pathology and enrollment in the AAC Concentration Certificate Program. Advanced coursework addressing augmentative and alternative communication (AAC) clinical skills related to evaluation, intervention, technology and professional development experiences.

7700:610 Instrumentation in Speech Pathology and Audiology (2 Credits)
Prerequisites: 7700:540, 7700:613, and 7700:650 with a grade of A- or greater, graduate standing in speech-language pathology and enrollment in the AAC Concentration Certificate Program. Advanced coursework addressing augmentative and alternative communication (AAC) clinical skills related to evaluation, intervention, technology and professional development experiences.

7700:611 Research Methods in Communicative Disorders I (3 Credits)
Prerequisite: Full admission to the SLP or Child Life Specialist programs or permission of the school director. Introduction to experimental design in field of communicative disorders.
7700:613 Advanced Topics in Augmentative-Alternative Communication (3 Credits)
Prerequisites: 7700:540 with a grade of B- or better and graduate standing in speech-language pathology, or permission from instructor.
Advanced coursework addressing assessment approaches, intervention planning, evidence-based interventions, language systems, alternative access methods and behavior management for clients who use augmentative-alternative communication. Students will develop advanced knowledge and skills through coursework, hands-on virtual labs, discussions, and assignments.

7700:614 Language and Literacy Development (3 Credits)
Prerequisite: Full admission to the Master of Arts in Speech-Language Pathology. This course presents current research perspectives on child language disorders and clinical methodologies in language assessment and intervention.

7700:615 Fluency Disorders: Assessment, Counseling and Treatment (3 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. This course provides information and discussion on theories, classification, diagnosis and treatment of fluency disorders.

7700:620 Articulation/Phonology (2 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Historical background, current theories and research related to etiology, evaluation and treatment of articulation and phonology disorders.

7700:623 Support Systems for Individuals & Families with Communicative Disorders (2 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Enhances students' abilities to interview, provide educational information, and create support systems for persons with communicative handicaps and their families.

7700:624 Neurogenic Speech & Language Disorders (3 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Course presents current theories and research related to neuroanatomical etiology, diagnosis, classification and treatment of adults with neurologically based communication disorders.

7700:626 Voice & Cleft Palate (3 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Background and current research related to normal vocal and velopharyngeal function as well as the etiology, diagnosis, and treatment of voice and cleft palate.

7700:627 Stuttering: Theories & Therapies (2 Credits)
Pre-requisite: Full admission to the SLP program or permission of the school director. This course provides information and discussion on theories, classification, diagnosis, and treatment of fluency disorders.

7700:628 Topics in Differential Diagnosis of Speech & Language Disorders (2 Credits)
(May be repeated for a total of four credits) Pre-requisite: Full admission to the SLP program or permission of the school director.

7700:630 Clinical Issues in Child Language (4 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Presents current research perspectives on child language disorders and clinical methodologies in language assessment and intervention.

7700:631 Cognitive Communicative Issues in Special Language (3 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. A study of behavioral deficits, stages of recovery, assessment techniques, and principles of cognitive rehabilitation related to closed head injury.

7700:632 Dysphagia (3 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Outlines etiology, assessment, and treatment for infants, children, and adults with feeding and swallowing disorders (dysphagia). It provides actual experiences in diagnosis and feeding techniques.

7700:633 Professional Issues (2 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Ethical, moral, and legal processes within current SLP professional issues are discussed. Students are encouraged to develop personal professional viewpoints and identity.

7700:639 Audiology for the Speech-Language Pathologist (3 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Advanced information on hearing loss and concomitant communication problems with special orientation toward the speech-language pathologist.

7700:640 Special Tests/Medical Audiology (4 Credits)
Prerequisite: 7700:639 or permission of instructor. Underlying psychoacoustic principles of administration and interpretation of site-of-lesion tests. Relationship between otology and audiology; application of clinical audiology in medical environment.

7700:642 Pediatric Audiology (2 Credits)
Prerequisite: 7700:639 or permission of instructor. Etiology of hearing loss in children, techniques for testing preschool and school-age children and other difficult-to-test clients.

7700:643 Industrial Audiology (2 Credits)
Prerequisite: 7700:639 or permission of instructor. Theoretical principles of noise measurement; etiology of noise-induced hearing loss and acoustic trauma; industrial hearing conservation programs; Occupational Safety and Health Act (O.S.H.A.) regulations.

7700:644 Aural Rehabilitation (4 Credits)
Prerequisite: permission of instructor. Review of current methodologies employed in aural rehabilitation of children and adults as well as current and potential areas of research.

7700:645 Evoked Potentials (2 Credits)
Prerequisite: permission of instructor. A study of auditory, visual and somatosensory evoked potentials and their clinical applications in audiology and neuro-otology.

7700:649 Electronystagmography (2 Credits)
Prerequisite: permission of instructor. Study of the anatomy and physiology of the vestibular system; nystagmus; electronystagmographic (ENG) recording procedures; ENG protocols; interpretation of ENG results.

7700:650 Advanced Clinical Practicum: Speech-Language Pathology (1-6 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Supervised clinical practicum in evaluation and treatment of speech and language disorders; includes preparation of written reports.

7700:654 Advanced Clinical Practicum: Audiology (1-6 Credits)
Prerequisite: Permission (may be repeated). Supervised clinical practicum in evaluation and treatment of hearing disorders; includes preparation of written reports.
7700:673 Public School Issues in Speech-Language-Hearing Programs (3 Credits)
Familiarizes participants with the organization and management of speech-language-hearing services in schools.

7700:683 Neuroscience for Communicative Disorders (3 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Familiarizes students with anatomy and physiology of the normal and abnormal nervous system. Discusses identification, management, and course of common disorders of the nervous system.

7700:690 Internship: Advanced Programming in Child Life (5 Credits)
Prerequisite: 700:594. Field experience in a specialized area in a child life program in an approved pediatric facility under the supervision of a certified child life specialist.

7700:691 School-based Externship Seminar (1 Credit)
Taken concurrently with School-based Externship in Audiology or Speech-Language Pathology. Review and discussion of issues raised during externship experience.

7700:693 School-based Externship: Speech Language Pathology (6 Credits)
Directed professional experience under supervision of a licensed and certified Speech-Language Pathologist and a University supervisor.

7700:695 Externship: Speech Language Pathology (6 Credits)
Prerequisite: Full admission to the SLP program or permission of the school director. Clinical practicum in a selected speech-language pathology or audiology facility.

7700:696 Externship Seminar (1 Credit)
(May be repeated once) Corequisite: 7700:695. Prerequisite: Full admission to the SLP program or permission of the school director. Taken concurrently with externship in speech-language pathology. Review and discuss issues raised during extern experience.

7700:697 Special Problems: Speech Pathology &/or Audiology (1-3 Credits)
(May be repeated for total of six credits.) Prerequisite: Full admission to the SLP program or permission of the school director. Guided research or reading in selected topics in speech pathology, audiology, or language disorders.

7700:699 Masters Thesis (4-6 Credits)
(May be repeated for a total of six credits.) Prerequisite: permission of School Director.

7700:701 Basic and Applied Physical Acoustics for Audiology (4 Credits)
Prerequisites: Admission to the Au.D. Program or permission of instructor. Study of physical acoustics, basis electricity and electronics, as well as principles, methodology, calibration, and maintenance of audiologic equipment. (includes 1 credit hour lab).

7700:702 Anatomy and Physiology of the Peripheral Auditory and Vestibular System (3 Credits)
Prerequisites: Admission to the Au.D. program or permission of instructor. A study of the anatomy, biophysics, and physiology of the auditory and vestibular systems.

7700:703 Acoustic Phonetics (3 Credits)
Prerequisites: Admission to the Au.D. program or permission. Study of the acoustics, measurement, and nomenclature of speech sounds and theoretical and acoustic bases of speech perception (include 1 hour lab).

7700:704 Critical Analysis of Research in Audiology I (2 Credits)
Prerequisites: Admission to the Au.D. program or permission. General introduction to the research process with an emphasis on acquiring a reading knowledge of research and an ability to evaluate research.

7700:705 Auditory Disorders (2 Credits)
Prerequisite: admission to the Au.D. program or permission. Study of conditions/diseases that can affect the auditory system.

7700:706 Anatomy & Physiology Underlying Neuro-Otology (4 Credits)
Prerequisite: 7700:702. An in depth study of the anatomy and physiology of the central auditory and vestibular nervous systems (include 1 hour lab).

7700:707 Psychoacoustics (3 Credits)
Prerequisites: Admission to the Au.D. program or permission. Study of the principles, procedures, and research of psycho-acoustics: the relationships between the physical dimensions of auditory stimuli and the resultant perceptual experience with normal and impaired hearing.

7700:708 Critical Analysis of Research in Audiology II (2 Credits)
Prerequisite: 7700:704. Development of a reading knowledge of research and the ability to evaluate the quality of research studies.

7700:709 Audiologic Assessment (3 Credits)
Prerequisite: 7700:705, 7700:752. Theoretical basis for the tests underlying basic audiologic assessment.

7700:710 Industrial and Community Noise (3 Credits)
Prerequisite: Admission to the Au.D. program. Theoretical principles of noise measurement; etiology of noise-induced hearing loss and acoustic trauma; industrial hearing conservation programs; Occupational Safety and Health Act; community and recreational noise evaluation and management.

7700:711 Diagnosis of Auditory Disorders (3 Credits)
Prerequisite: 7700:709. Underlying theory and principles of administration and interpretation of site-of-lesion tests.

7700:712 Gerontological Issues in Audiology (3 Credits)
Prerequisite: Admission to the Au.D. program. Physiological, psychological, and sociological theories of aging with a focus on the etiology, symptomatology, assessment, and rehabilitation of older adults with hearing impairments.

7700:713 Hearing Aid Technology (4 Credits)
Prerequisite: 7700:701. Study of amplification systems for the hearing impaired.

7700:714 Central Auditory Processing: Evaluation and Management (2-3 Credits)
Prerequisites: 7700:705, 7700:706. Study of audioligic evaluation and habilitation/rehabilitation procedures for people having central auditory disabilities.

7700:717 Pediatric Audiology (3 Credits)
Prerequisite: 7700:709. Study of audioligic diagnostic and auditory habilitative protocols for the birth to 3 population. Both assessment and management strategies will be emphasized.

7700:718 Cochlear Implants (2 Credits)
Prerequisite: Admission to the Au.D. program. Study of cochlear implants in children and adults including equipment, candidacy, mapping, and an overview of (re)habilitation.

7700:719 Counseling in Audiology (3 Credits)
Prerequisites: Admission to the Au.D. program or permission. Focus on interviewing, counseling and interacting with individuals with hearing impairments, their families, and significant others.

7700:721 Evaluation and Management of Balance Disorders (3 Credits)
Prerequisites: Admission to the Au.D. program or permission. Study of the balance mechanism; differential diagnostic assessment of balance disorders including electronystagmography, posturography and rotation testing; rehabilitation of the balance disordered patient.
7700:725 Medical Management of Auditory Disorders (2 Credits)
Prerequisite: 7700:712. A study of the multidisciplinary approach to medical/surgical management of patients with auditory and vestibular disorders.

7700:726 Electrophysiological Techniques in Audiology (3 Credits)
Prerequisites: 7700:706 or permission. Study of evoked responses used in diagnostic audiology, including ABR, MLR, EChocG, ENOG, ALR, P300, VER, and SSER.

7700:727 Multicultural Issues in Audiology (2 Credits)
Prerequisites: Admission to the Au.D program or permission. An introduction to Deaf Culture and the audiologist's roles and responsibilities in planning treatment with a member of the deaf community.

7700:728 Seminar in Audiology (2 Credits)
Prerequisite: Admission to the Au.D program. Selected current topics in audiology with emphasis on review of current literature. Course may be repeated up to 6 credits.

7700:730 Practice Management in Audiology (3-4 Credits)
Prerequisites: Admission to the Au.D program or permission. Study of issues which impact the management of audiological practices, including establishing a private practice, reimbursement, marketing, record keeping and professional liability.

7700:731 Fourth Year Seminar (1-6 Credits)
Prerequisite: Admission to the Au.D program. Corequisite: 7700:749 or 7700:750. In-depth consideration of topics/issues in the practice of audiology with emphasis upon issues related to clinical rotation issues. Repeatable up to 6 credits.

7700:732 Audiologic Treatment Across the Lifespan (4 Credits)
Study of current methodologies employed in the audiologic treatment of people with hearing loss across the lifespan. Implementation of remedial strategies is emphasized.

7700:734 Principles of Precepting (1 Credit)
Examination of the concepts and practices essential to the preceptor role. Emphasis on professional standards, adult learning theories, communication styles, ethical principles, and the multiple roles of a preceptor (educator, role model, mentor, facilitator, and evaluator).

7700:735 Laboratory for Electrophysiologic Techniques in Audiology (1 Credit)
Prerequisite: Admission to the Au.D. program or permission. Corequisite: 7700:726. Laboratory exercises for the assessment of auditory disorders including electrocochleography, the auditory brain stem response and auditory steady state responses.

7700:736 Laboratory for the Evaluation and Management of Balance Disorders (1 Credit)
Prerequisite: Admission to the Au.D. program or permission. Corequisite: 7700:721. Laboratory exercises for the assessment of balance disorders including videonystagmography, posturography and informal evaluations; approaches for the rehabilitation and treatment of the balance disordered patient.

7700:737 Laboratory for Advanced Electrophysiological and Vestibular Measures (1 Credit)
Prerequisite: Admission to the Au.D program or permission. Corequisite: 7700:761. Laboratory exercises for the assessment, management and treatment of auditory and vestibular disorders including early, middle and late auditory evoked potentials and advanced vestibular measures.

7700:747 Graduate Audiologist I (3 Credits)
Prerequisite: 7700:757. Supervised clinical practicum in audiology which encompasses audiologic assessments and audiologic rehabilitation. Repeatable up to nine credits.

7700:748 Graduate Audiologist II (3 Credits)
Prerequisites: 7700:747 and permission. Supervised clinical practicum in audiology requiring the independent performance of audiologic assessment procedures, audiologic rehabilitation, and vestibular assessment and rehabilitation. Repeatable up to nine credits.

7700:749 Graduate Audiologist III (6-8 Credits)
Prerequisites: 7700:748 and permission; successful completion of the PRAXIS Examination. Corequisite: 7700:731. Supervised clinical practicum in audiology requiring the independent performance of audiologic assessment procedures, audiologic rehabilitation, and vestibular assessment and rehabilitation. Repeatable up to 24 credits.

7700:750 Graduate Audiologist IV (8 Credits)
Prerequisites: 7700:749, successful completion of the PRAXIS Examination; corequisite: 7700:731. Supervised clinical practicum in audiology requiring the independent performance of audiologic assessment procedures, audiologic rehabilitation, and vestibular assessment and rehabilitation. Repeatable up to 24 credits.

7700:751 Graduate Audiologist V (3-8 Credits)
Prerequisite: 7700:750 and permission; Co-requisite: 7700:731. Supervised clinical practicum in audiology requiring the independent performance of audiologic assessment procedures, audiologic rehabilitation, and vestibular assessment and rehabilitation. Repeatable up to 9 credits.

7700:752 Clerkship I (1 Credit)
Prerequisites: Admission to the Au. D program or permission of instructor. Introduction to clinical practicum in Audiology. Directed observation of clinical practice including audiologic diagnosis and audiologic rehabilitation are required. (Repeatable up to 6 credits)

7700:753 Clerkship II (1 Credit)
Prerequisite: 7700:752. Introduction to clinical practicum in audiology. Directed observation of clinical practice including audiologic diagnosis and audiologic rehabilitation are required. (Repeatable up to 6 credits)

7700:754 Internship I (1 Credit)
Corequisite: 7700:709 or permission. Clinical practicum in audiology during which students perform discrete tasks under supervision. (Repeatable up to 6 credits)

7700:755 Internship II (1 Credit)
Prerequisite: 7700:754. Supervised clinical practicum in audiology during which students will perform discrete tasks while under supervision. (Repeatable up to 6 credits)

7700:756 Internship III (2 Credits)
Prerequisites: 7700:755 or permission. Supervised practicum in audiology requiring the independent performance of basic audiologic procedures, including hearing aid management. (Repeatable up to 8 credits)

7700:757 Internship IV (2 Credits)
Prerequisites: 7700:756 and permission. Supervised clinical practicum in audiology requiring the independent performance of diagnostic audiology, hearing aids, and audiologic rehabilitation procedures. (Repeatable up to 8 credits)

7700:758 Implantable Technology (4 Credits)
Prerequisite: Admission to the Au.D program or permission. Study of cochlear implants in children and adults including equipment, candidacy, mapping, and an overview of rehabilitation.
**7700:760 Hearing Aid Fitting & Selection Across the Lifespan (4 Credits)**
Prerequisite: 7700:713. Examination of the theory and practice of fitting hearing aids across the lifespan. Emphasis on special clinical procedures, research needs and evolving technology in hearing instruments.

**7700:761 Advanced Electrophysiologic & Vestibular Measures (4 Credits)**
Prerequisites: 7700:721 & 7700:726. Advanced considerations in balance function assessment and management and in the study of evoked responses used in diagnostic audiology.

**7700:899 Doctoral Enrollment/Residency (1-8 Credits)**
Prerequisite: Graduate standing in the Au.D. program and permission of instructor. Continuous enrollment course to maintain status in Au.D. program.