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: graduate status. Current practice related to clinical intervention designed for individuals with developmental disabilities. Explores the use of the natural environment and the computer as intervention tools.

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.

7700:610. Instrumentation in Speech Pathology and Audiology. (2 Credits)
Principles and use of clinical and research instrumentation in speech and hearing.

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.

7700:614. 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. This course provides information and discussion on theories, classification, diagnosis, and treatment of fluency disorders.

7700:621. Clinical Audiology. (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 hearing disorders; includes preparation of written reports.

7700:622. Environmental Acoustics. (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 voice and cleft palate.

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 student's 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.

7700:625. 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.

7700:626. Stuttering: Theories & Therapies. (2 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 speech-language disorders.

7700:627. Stuttering: Topics in Differential Diagnosis of Speech & Language Disorders. (2 Credits)
(May be repeated for a total of four credits) Prerequisite: 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. Speech-Language Pathology for the Audiologist. (3 Credits)
Prerequisite: admission to the Au.D. program or permission of instructor. Examination of normal and abnormal aspects of speech and language including their impact on auditory function and testing.

7700:712. Diagnosis of Auditory Disorders. (3 Credits)
Prerequisite: 7700:709. Underlying theory and principles of administration and interpretation of site-of-lesion tests.

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

7700:714. 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.

7700:715. Central Auditory Processing: Evaluation and Management. (2-3 Credits)

7700:717. Pediatric Audiology. (3 Credits)
Prerequisite: 7700:709. Study of audiologic 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).

**7700:747. 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.