

**SOCI 5650. Sociology of Education.** 3 hours.

Interrelationships of schools and communities in American society; application of sociological concepts to the study of schools as social systems.

**SOCI 5700. Seminar on Social Gerontology.** 3 hours. An analysis of sociological and sociopsychological approaches to the study of aging with emphasis on consideration of current research. Prerequisite(s): SOCI 4550 or consent of program chair. May be repeated for credit. (Same as AGER 5700.)

**SOCI 5900-SOCI 5910. Special Problems.** 1–3 hours each. Open to advanced students capable of doing independent research under the direction of the instructor. To be registered for only on recommendation of the instructor and with the consent of department.

**SOCI 5940. Sociology Internship.** 1–6 hours. Supervised work in an approved setting designed to maximize student's learning and application of professional skills. Prerequisite(s): consent of department or instructor.

**SOCI 5950. Master's Thesis.** 3 or 6 hours. To be scheduled only with consent of department. 6 hours credit required. No credit assigned until thesis has been completed and filed with the graduate dean. Continuous enrollment required once work on thesis has begun. May be repeated for credit.

**SOCI 6100. Seminar on Sociological Theory.** 3 hours. Selected topics in sociological theory. Prerequisite(s): a minimum of 18 hours in sociology, including at least one course in sociological theory, or equivalent. May be repeated for credit.

**SOCI 6200. Seminar on Research Methods.** 3 hours. Theory and application of quantitative and non-quantitative methods to sociological data. Prerequisite(s): a minimum of 18 semester hours in sociology, including 4880 or equivalent. May be repeated for credit.

**SOCI 6300. Seminar on the Life Cycle.** 3 hours. An intensive analysis of selected topics in the area of the family and life cycle. Prerequisite(s): a minimum of 18 hours in sociology, including 6 hours in the area of family, or equivalent. May be repeated for credit.

**SOCI 6400. Seminar on the Metropolitan Community.** 3 hours. An intensive analysis of selected topics in the area of the metropolitan community. Prerequisite(s): a minimum of 18 hours in sociology, including SOCI 3300 and SOCI 4350, or equivalent. May be repeated for credit.

**SOCI 6500. Seminar on Social Organization and Disorganization.** 3 hours. An intensive analysis of selected topics in such areas as social institutions and deviant behavior. Prerequisite(s): a minimum of 18 hours in sociology, or equivalent. May be repeated for credit.

**SOCI 6900-SOCI 6910. Special Problems.** 1–3 hours each.

**SOCI 6940. Individual Research.** 1–12 hours.

**SOCI 6950. Doctoral Dissertation.** 3, 6 or 9 hours. To be scheduled only with consent of department. 12 hours credit required. No credit assigned until dissertation has been completed and filed with the graduate dean. Doctoral students must maintain continuous enrollment in this course subsequent to passing qualifying examination for admission to candidacy. May be repeated for credit.

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## Special Education

see Educational Psychology

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## Speech and Hearing Sciences

### *Speech and Hearing Sciences, SPHS*

**SPHS 5060. Practicum in Speech-Language Pathology and Audiology.** 1–3 hours. Diagnostic and management experiences in a variety of clinical settings. Requirements: the first enrollment for students with no previous clinical practicum in the UNT Speech and Hearing Center must be in a fall or spring term/semester; a 3.0 GPA must be maintained in department graduate courses for subsequent enrollments. Students who enter the program with inadequate preparation for graduate clinical practicum will be required to gain experience in a SPHS 4060 enrollment. Prerequisite(s): admission to a graduate degree program in speech and hearing sciences. Pass/no pass only.

**SPHS 5065. Clinical Externship in Speech-Language Pathology.** 1–6 hours. Advanced clinical practicum in external practicum sites during the last semester of the speech-language pathology graduate program. Prerequisite(s): SPHS 5060 and enrollment in master's program of speech-language pathology.

**SPHS 5070. Clinical Management in Communication Disorders.** 1 hour. Provides information on therapeutic management, opportunities for student to develop professional competence and skills through case staffings, interdisciplinary interactions and discussion of current trends and issues. Prerequisite(s): concurrent enrollment in SPHS 5060.

**SPHS 5500. Medical Aspects of Speech-Language Pathology I.** 3 hours. Normal and pathological anatomy and physiology of deglutition; etiology and characteristics of swallowing disorders; methods of evaluation and management of dysphagia in adults and children. Prerequisite(s): SPHS 4120 or consent of instructor.

**SPHS 5510. Medical Aspects of Speech-Language Pathology II.** 3 hours. Pathological anatomy and physiology of head and neck; etiology and characteristics of speech and voice disorders resulting from genetic conditions or cancer of head and neck; methods of evaluation and management. Prerequisite(s): SPHS 4120 or consent of instructor.

**SPHS 5755. Neuromotor Speech Disorders.** 3 hours. Study of neurologically based communication disorders such as cerebral palsy, dysarthria, apraxia and demyelination.

**SPHS 5775. Research Methods in Speech-Language Pathology/Audiology.** 3 hours. Basic statistical measures, hypothesis formation, models, theories, experimental protocols, and designs in speech, language and hearing research. Prerequisite(s): minimum of three prior/present enrollments in SPHS 5060 or consent of instructor.

**SPHS 5780. Diagnostics: Speech Pathology.** 3 hours. Philosophical and practical considerations of the diagnostic process: current principles, methods, techniques.

**SPHS 5800. Fluency Disorders.** 3 hours. Theories of stuttering and allied disorders of rhythm, rate and fluency. Principles, methods and techniques of evaluation and management.

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## Spanish

see Foreign Languages and Literatures

**SPHS 5810. Voice Disorders.** 3 hours. Principles, methods and techniques of evaluation and management of voice disorders.

**SPHS 5820. Language Development.** 3 hours. Stages of normal language acquisition in children, with consideration of current psycholinguistic theory and research issues.

**SPHS 5825. Phonologic and Phonetic Disorders.** 3 hours. A study of literature concerning normal aspects of phonological acquisition as well as assessment and treatment issues in regard to articulatory and phonologic disorders.

**SPHS 5830. Language Disorders I.** 3 hours. Principles, methods and techniques of evaluation and management of acquired and developmental language disorders in children from birth through five years. Prerequisite(s): SPHS 4010 and SPHS 4140, or equivalents.

**SPHS 5835. Language Disorders II.** 3 hours. Principles, methods and techniques of evaluation and management of acquired and developmental language disorders of school age children.

**SPHS 5840. Language Disorders III.** 3 hours. Principles, methods and techniques of evaluation and management of adults with acquired disorders such as aphasia, dementia, closed head injury, geriatric conditions and residual effects of developmental disorders. Prerequisite(s): SPHS 4010 and SPHS 4140, or equivalent.

**SPHS 5870. Seminar in Speech-Language Pathology.** 1–4 hours. Consideration of current research, clinical or professional trends and issues in speech-language pathology. May be repeated for credit as topics vary.

**SPHS 5900. Special Problems.** 1–3 hours. For students capable of developing a problem independently through conferences and activities directed by the instructor. Problem chosen by the student with the consent of the instructor. A written description of the proposed special problem signed by the student and the instructor must be filed in the department office prior to enrollment.

**SPHS 5920. Research Problems in Lieu of Thesis.** 1–3 hours.

**SPHS 5950. Master's Thesis.** 3 or 6 hours. To be scheduled only with consent of department. 6 hours credit required. No credit assigned until thesis has been completed and filed with the graduate dean. Continuous enrollment required once work on thesis has begun. May be repeated for credit.

**SPHS 6010. Clinical Observation in Audiology.** 2 hours. Directed observation in the audiology clinic. Development of clinical observation skills, interview techniques, case history follow-up, assistance with record-keeping. Includes observation in a variety of external audiology practicum sites.

**SPHS 6020. Clinical Audiology Clerkship.** 2–4 hours. Includes Clerkships I and II. Observation of the work of experienced clinicians in a variety of specialty areas; specifically audiological assessment, counseling, geriatric audiology, electrophysiological evaluation, hearing aids and rehabilitative audiology. Supervised client care in the UNT Speech and Hearing Center. Prerequisite(s): SPHS 6010.

**SPHS 6060. Audiology Internship.** 2–4 hours. Includes Internships I, II and III. Supervised client care in the UNT Speech and Hearing Center as well as a variety of external practicum sites. Prerequisite(s): enrollment in the Doctor of Audiology degree program and SPHS 6020. May be repeated for credit.

**SPHS 6070. Clinical Management of Audiological Services.** 2–4 hours. Information on diagnostic and therapeutic management; opportunities for student to develop professional competence and skill through lab exercises, case staffings, interdisciplinary interactions and discussions of current trends and issues.

**SPHS 6090. Clinical Residence in Audiology.** 3, 6 or 9 hours. Advanced full-time clinical practicum in an external practicum site during the fourth year of the AuD program. May involve relocation or travel. Prerequisite(s): completion of all academic and clinic course requirements. May be repeated for credit. Students are required to take a total of 24 semester credit hours.

**SPHS 6200. Neuroanatomy and Neurophysiology of the Auditory and Vestibular System.** 3 hours. Neuroanatomy and neurophysiology of the hearing and balance systems. Emphasis on both afferent and efferent systems. Prerequisite(s): SPHS 4120 and 4130 or consent of instructor.

**SPHS 6650. Audiologic Assessment.** 3 hours. Fundamental principles and clinical application of pure tone and speech audiometry.

**SPHS 6660. Hearing Science.** 4 hours. The physical and psychological aspects of audition.

**SPHS 6670. Medical Audiology.** 3 hours. Functional anatomy, physiology and neurology of the hearing mechanism as applied to various pathologies and their otological management. Prerequisite(s): SPHS 6200.

**SPHS 6680. Pediatric Audiology.** 3 hours. Evaluation and management of hearing-impaired children. Prerequisite(s): SPHS 6650 or equivalent.

**SPHS 6690. Hearing Aids I.** 4 hours. Physical characteristics and clinical aspects of auditory amplification for the hearing impaired. Prerequisite(s): SPHS 6650, SPHS 6660, or equivalents.

**SPHS 6695. Hearing Aids II: Strategies for Selecting and Fitting Hearing Aids.** 3 hours. Strategies for selection and fitting of hearing aids and assistive listening devices. Special emphasis on fitting of programmable and digital instruments including real-ear measurement and computerized fitting techniques. Prerequisite(s): SPHS 6680 or equivalent.

**SPHS 6700. Rehabilitative Audiology: Children.** 3 hours. Management of infants and children with hearing loss. Includes procedures for management, amplification considerations, treatment methodologies, strategies for speech and language skills assessment, and educational options.

**SPHS 6710. Occupational and Environmental Hearing Conservation/Instrumentation in Audiology.** 3 hours. Covers the effects of noise exposure on occupational/recreational audiology; describes the federal and state standards of a hearing conservation program. Also covers matters that facilitate understanding, proper utilization of and maintenance of essential instrumentation in clinical practice. Prerequisite(s): SPHS 6650, SPHS 6660, or equivalent.

**SPHS 6730. Seminar in Audiology.** 1–3 hours. Consideration of current research, clinical or professional trends, and issues in audiology. Prerequisite(s): SPHS 6650. May be repeated for credit as topics vary.

**SPHS 6750. Advanced Audiologic Assessment.** 3 hours. Application of pure tone, speech audiometry and electrophysiological measures to complex auditory problems. Prerequisite(s): SPHS 6650, 6700, or equivalents.

**SPHS 6770. Electrophysiologic Assessment I.** 3 hours. Consideration of electrical potentials in the cochlea; electrical activity in the auditory nerve and brain stem; methodological considerations in studies of human evoked potentials; normal and abnormal cochlear, auditory nerve and brain stem responses. Otoacoustics emissions evoked and emitted and their clinical applications. Prerequisite(s): SPHS 6650.

**SPHS 6780. Electrophysiologic Assessment II.** 3 hours. Applied electrophysiologic methods and techniques of evaluation of the auditory system using evoked potentials and otoacoustic emissions. Prerequisite(s): SPHS 6650.

**SPHS 6800. Rehabilitative Audiology: Adults.** 3 hours. The rehabilitative management of the adult with hearing impairment. The rehabilitative process is examined from various parameters that affect it. Emphasis is on the assessment of communication function and appropriate remediation strategies specific to adults.

**SPHS 6990. Research Project.** 3 hours. Faculty-directed research project that may be a prospective study of a selected aspect of auditory evaluation or rehabilitation, a retrospective analysis of existing audiologic databases, a historical survey of a particular problem area, or a feasibility study of an existing or proposed evaluation or intervention technique. Prerequisite(s): PSYC 2317 or MATH 1680 or equivalent and SPHS 5775. May be repeated for credit.

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## Studio Art

### *Studio Art, ASTU*

**ASTU 5000. Topics in Studio Art.** 3 hours. (2;4) Variable topics course designed to explore concepts and processes in art-making that go beyond the normal curricular parameters of traditional studio disciplines. Prerequisite(s): consent of instructor. May be repeated for credit as topics vary.

**ASTU 5010. Professional Practices of the Studio Artist.** 3 hours. (2;4) Study of theoretical and practical aspects of succeeding as a practicing artist outside the academy. Survey of the protocols and common practices expected of the artist as a productive member of the business community wherein fine art is the commodity.

**ASTU 5015. Creative Project.** 3 hours. (2;4) Research and practice dealing with significant problems in the field of art. Should be taken with major professor. Prerequisite(s): consent of instructor.

**ASTU 5020. MFA Exhibition.** 3 hours. (0;6) Professional practice in the planning and staging of an exhibition of creative works as a culmination of visual research. Should be taken with major professor. Prerequisite(s): consent of instructor.

**ASTU 5050. Ceramics Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5120. Fibers: Fabric Design Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5130. Fibers: Weaving Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5150. Metalworking and Jewelry Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5210. Painting Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5215. Drawing Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5250. Photography Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5300. Printmaking Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5305. Artist's Bookmaking.** 3 hours. (2;4) Design and creation of books as works of art at the master's level. Utilization of techniques of book design and bookbinding to create personal artistic statements in a sequential form. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5350. Sculpture Studio.** 3 hours. (2;4) For students qualified to develop professional competence in special areas of studio work. Prerequisite(s): 12 hours of art in the selected area and consent of college. May be repeated for credit.

**ASTU 5417. Watercolor Studio.** 3 hours. (2;4) Historic and contemporary watercolor research through galleries, museums and text with practical applications toward a series of student-developed water media paintings. Prerequisite(s): BFA or consent of instructor.