

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.

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.

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.

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

6660. Hearing Science. 3 hours. The physical and psychological aspects of audition.

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.

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

6690. Hearing Aids I. 3 hours. Physical characteristics and clinical aspects of auditory amplification for the hearing impaired. Prerequisite(s): SPHS 6650, 6660, or equivalents.

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.

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.

6710. Occupational and Environmental Hearing Conservation. 3 hours. Physical, physiological and psychological effects of noise; its influence, measurement and control in society. Prerequisite(s): SPHS 6650, 6660, or equivalents.

6720. Instrumentation in Audiology. 3 hours. Principles of acoustic and electrical signals, and electronic and software tools used by audiologists in clinical and research settings. Addresses simple electrical circuits, transducers, attenuators, filters, amplifiers, and various forms of signal processing as applied to the function of specific instruments and devices used in the hearing sciences. Prerequisite(s): SPHS 6650 and 6660.

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.

6760. 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.

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.

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.

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.

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.

Studio Art

Studio Art, 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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

Teacher Education and Administration

Bilingual and English as a Second Language Education, EDBE

5560. Fundamentals of Bilingual and English as a Second Language Education in EC-12 Settings. 3 hours. Examination of historical and legal aspects of bilingual and English as a second language education in EC-12 settings, including program models for the education and English language learners; also, an overview of theories of second language learning and their implications for practice in schools. A minimum of 10 hours of observation is required. Prerequisite(s): consent of department.

5570. Assessing Language and Content Learning in EC-12 Bilingual and English as a Second Language Education. 3 hours. Examination of issues related to assessment of language proficiency and cognitive abilities of EC-12 English language learners, including the importance of appropriate diagnostic testing to the teaching and learning process; a review of potential cultural bias in EC-12 assessment procedures for assessing eligibility of EC-12 students for special language programs. Prerequisite(s): EDBE 5560 or consent of department.

5580. Curriculum for EC-8 Bilingual Education. 3 hours. Study of methods, approaches and materials to teach content in a bilingual classroom with a special focus on the rationale and techniques for literacy development in Spanish. Language of instruction is Spanish and English. Placement through departmental Spanish proficiency exam. Ten hours of observation in authentic bilingual classrooms are required. Prerequisite(s): EDBE 5560 or consent of department.

5585. Teaching, Reading and Other Language Arts in Bilingual Education. 3 hours. Theoretical principles, practices and materials applicable to the teaching of reading and other language arts in Spanish in elementary bilingual education classrooms. Key topics include reading pedagogy for biliteracy, issues of transfer from Spanish to English reading, process writing, children's literature, use of Internet and applicable computer software resources and assessment strategies. Language of instruction: Spanish. Placement through departmental Spanish proficiency test. Minimum of 10 hours of observation in authentic bilingual classroom. Prerequisite(s): EDBE 5560.

5590. Pedagogy of English as a Second Language for EC-12 Classrooms. 3 hours. Examination of appropriate procedures and materials for academic content instruction and language development for English Language Learners (ELLs). Topics to be explored include structured and unstructured techniques for teaching ELLs, the relationship between oral language development and literacy skills, the development of literacy skills in English for students who are not literate in the first language and methods for effective sheltered English instruction. Emphasis placed on inclusion of all learners. Prerequisite(s): LING 5060, EDBE 5560 or consent of department.

Early Childhood Education, EDEC

5013. Research Strategies and Techniques in Early Childhood Education. 3 hours. Research strategies and techniques and their application to the research process in early childhood education.