SLA—SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

BOUVÉ COLLEGE OF HEALTH SCIENCES

For descriptions of graduate-level courses, please visit www.registrar.neu.edu/cdr.html.

SLA U101 Introduction to Speech and Hearing 4 SH
Offers an overview of disorders of speech and hearing and their treatment, and a review of normal speech and hearing development. Requires clinical observations of persons with speech, language, and hearing disorders.

SLA U102 Language Development 4 SH
Provides an overview of the development of the language system from birth to adolescence. Students compare different theories of language acquisition and understand their implications for intervention approaches; become familiar with broad developmental stages in infancy and childhood in the domains of motor skills, cognition, social skills, and speech and language, and the connections among these domains; understand the social dynamics between parents and children from which early gestures and prespeech vocalizations emerge; utilize some informal measures of language development covering form, content, and use; and understand broad differences in development in multicultural populations including Asian, Hispanic, and African-American children.

SLA U103 Anatomy and Physiology of the Vocal Mechanism 4 SH
Offers an in-depth study of the static structure, musculature, and physiology of the speech mechanism. Emphasizes current research in speech physiology.

SLA U200 Phonetics 4 SH
Introduces students to articulatory, perceptual, and linguistic aspects of speech sounds, and phonetic transcription of normal and disordered speech using the International Phonetic Alphabet. Utilizes lectures, discussions, laboratory exercises, demonstrations, readings, audiotape exercises, problem sets, quizzes, and examinations.

SLA U201 Introduction to Co-op 1 SH
Prepares students for all aspects of the cooperative education component of their curriculum by comparing the goals and expectations of co-op employer, co-op faculty, and students themselves. Through professional goal exploration, students gain an understanding of the policies and procedures of the Department of Cooperative Education. The spectrum of clinical settings for speech, language, and hearing professionals is examined as well as current trends in the job market. Effective job search strategies through developing rTsumTs, preparing for interviews, and making informed choices are targeted. Also examines on-the-job scenarios involving problem solving, ethical issues, and confidentiality, and discusses appropriate ways to handle difficult workplace situations.

SLA U202 Neurological Bases of Communication 4 SH
Provides students with the opportunity to acquire a basic understanding of human neuroanatomy and neurophysiology as related to normal aspects of speech, hearing, and language. Central and peripheral nervous system anatomy and physiology are reviewed developmentally from the embryologic through the life-span perspectives.

SLA U203 Introduction to Audiology 4 SH
Offers the opportunity to gain knowledge of the physics of sound and the anatomy/physiology of the human hearing mechanism, and how these two areas are interrelated. Familiarizes students with some of the diagnostic tests performed by the audiologist in order to assess the integrity of the hearing mechanism. Concludes with a brief overview of amplification and the rehabilitation process for hearing-impaired individuals.

SLA U205 Speech and Hearing Science 4 SH
Introduces facts and theories related to the physical bases of sound as relevant to speech acoustics; anatomy of the hearing mechanisms; psychoacoustics; and speech perception. While primarily concerned with normal communication, the course also includes discussion of communication disorders. Lab demonstrations and problem sets augment lectures and discussions. Prereq. SLA U103.

SLA U500 Language Disorders in Adults 4 SH
Provides students with the foundation needed to work with frequently referred adult-impaired populations across clinical settings. Speech, language, and cognitive-linguistic disorders are typical consequences of acquired central and peripheral nervous system adult impairments. Emphasis is placed on the anatomy/etiology/neurology/physiology of commonly acquired adult communication disorders (including aphasia, apraxia, dementia, dysarthria, and traumatic brain injury), characteristics of these communication disorders, and intervention approaches (diagnostic and therapeutic). Prevention, outcome, efficacy, and service-delivery considerations are addressed. Prereq. SLA U102 and SLA U202.

SLA U501 Language Disorders in Children 4 SH
Covers a variety of common speech and language disorders in children with both biological and environmental foundations. Covers models of speech and language processing, definitions of disorders in relation to those models, and a range of intervention methodologies. Considers issues of bilingualism and bidialectalism and how they impact speech and language learning and academic success. Also considers the implications of these disorders for academic achievement, particularly reading and writing. The course is taught using a case-based approach. A portion of the credit for the course is earned through Web-based learning. Prereq. SLA U102 and SLA U200.
SLA U503 Aural Rehabilitation 4 SH
Provides a detailed examination of various approaches to speech reading and auditory training as they apply to children and adults. Offers an integrated approach to management of hearing-impaired individuals. Prereq. SLA U203.

SLA U554 Early Intervention: Assessment and Intervention 3 SH
Offers an opportunity to learn the assessment models and multidomain tests used in early intervention. Designed to familiarize students with formal and informal tests. Offers an opportunity to learn a variety of intervention models, methods, and strategies. Prereq. SLA U102.

SLA U600 Clinical Procedures 4 SH
Reviews principles and procedures of the functional analysis of behavior, and focuses on the application of behavioral theory and research to speech, language, and hearing training. Emphasizes clinical investigation in the experimental analysis of the behavior of communication disorders, and experiences in the application of experimental procedures in assessment and treatment programs. Prereq. SLA U500 and SLA U501.

SLA U650 Seminar in SLP and Audiology 4 SH
Offers students a transition into clinical practice. Students develop hands-on skills in either assessment or treatment, understand the ethics of clinical practice, and develop professional communication skills in a clinical setting. Prereq. SLA U600.

SLA U701 Clinical Research Directed Study 1 SH
SLA U702 Clinical Research Directed Study 2 SH
SLA U703 Clinical Research Directed Study 3 SH
SLA U704 Clinical Research Directed Study 4 SH
Allows undergraduate students the opportunity to pursue a research interest beyond the confines of a specific course. Under the direction of a faculty adviser, students jointly develop a plan of study. Gives students a first exposure to all or some of the steps of the research process relative to their interest areas, beginning with the formulation of the problem and ending with the dissemination of the findings. Prereq. Permission of instructor.

SLA U921 Directed Study 1 SH
SLA U922 Directed Study 2 SH
SLA U923 Directed Study 3 SH
SLA U924 Directed Study 4 SH
Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. Prereq. Permission of instructor.

SLA U970 Junior/Senior Honors Project 1 4 SH
Focuses on in-depth project in which a student conducts research or produces a product related to the student’s major field. Culminating experience in the University Honors Program. Combined with Junior/Senior Project 2 or college-defined equivalent for 8-credit honors project. Prereq. Honors program participation.

SLA U971 Junior/Senior Honors Project 2 4 SH
Focuses on second semester of in-depth project in which a student conducts research or produces a product related to the student’s major field. Culminating experience in the University Honors Program. Prereq. SLA U970 and honors program participation.