

**COURSE DESCRIPTIONS FOR THE MASTER OF SCIENCE IN SPEECH AND LANGUAGE PATHOLOGY**

MSLP540 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM (3 cr.)

Study of the anatomy and physiology of the speech and hearing mechanism including respiratory, phonatory, articulatory, nervous, and hearing systems.

MSLP541 BASIC AUDIOLOGY (3 cr.)

Overview of the audiology profession, its historical background, physical properties of the sound, ear anatomy, physiology of the auditory system, common disorders and administration and interpretation of hearing tests.

MSLP542 NORMAL SPEECH AND LANGUAGE DEVELOPMENT (3 cr.)

Study of the normal speech and language acquisition process. Distinctions between speech and language are established. Terminology and speech and language characteristics according to developmental stages are explained. The course includes the analysis of sound acquisition and most common speech and language disorders.

MSLP543 ETHICS AND LEGAL ASPECTS IN HEALTH PROFESSIONS (3 cr.)

This course discusses the ethical and legal principles applied to the Speech/Language Pathology Profession. American Speech-Language-Hearing Association (ASHA) Code of Ethics is studied. Study of the responsibilities and professional omissions of legal or ethics nature are revised.

MSLP545 LANGUAGE DISORDERS IN CHILDREN (3 cr.)

Overview of the normal and atypical language development in children. Study of the factors that might affect communicative development. Methods of evaluation and intervention related to each disorder are studied.

MSLP546 FLUENCY DISORDERS: ASSESSMENT AND TREATMENT (3 cr.)

Study of the characteristics of the typical fluency and pathological disfluencies. Evaluation processes including standardized tests, structured observations, data collection, and differential diagnosis and treatment in children and adults are studied.

MSLP547 VOICE DISORDERS: ASSESSMENT AND TREATMENT (3 cr.)

Study of voice disorders, treatment techniques and role of the Speech/Language Pathologist and other professionals in the management of such pathologies. The course emphasizes in the differential diagnosis of voice disorders in children and adults and treatment as well.

MSLP548 LANGUAGE DISORDERS IN ADULTS (3 cr.)

Study of the nature and etiology of language disorders in adults. The course emphasizes in the administration and interpretation of assessment instruments used for determining appropriate intervention methods.

MSLP549 DYSPHAGIA IN CHILDREN AND ADULTS (3 cr.)

The course emphasizes in the identification, diagnosis and treatment of swallowing disorders in children and adults. Discussion of the assessment strategies and therapeutic approaches for treatment of dysphagia in children and adults. The course emphasizes in the interdisciplinary intervention and role of the Speech/Language Pathologist that work with this population.

MSLP 550 ARTICULATORY DISORDERS: ASSESSMENT AND TREATMENT (3 cr.)

Study of the anatomical, acoustic and perceptual aspects related to the articulatory mechanism. The course emphasizes in the typical and atypical articulatory development of the Spanish and English sounds. Cultural variations and different types of disorders are considered. The course also emphasizes in the assessment and differential diagnosis of such disorders and other conditions. The clinical management and treatment techniques used in intervention are discussed.

MSLP551 PHONOLOGICAL DISORDERS: ASSESSMENT AND TREATMENT (3 cr.)

This course describes the phonological system considering the theories and phonological perspectives. It emphasizes in the description of the typical and atypical phonological development of the Spanish and English language sounds. The study of the criteria for determining differential diagnosis of organic and functional disorders is also considered. The course also emphasizes in the clinical management of such disorders.

MSLP650 AURAL REHABILITATION (3 cr.)

Study of the habilitation and rehabilitation processes including auditory training, lipreading, total communication in theory and methodology.

MSLP651 AUGMENTATIVE AND ALTERNATIVE AIDS FOR COMMUNICATION (3 cr.)

Discussion of the history background of the AAC and its impact in the life of people with severe communication impairments. Study of the equipment used, its characteristics and uses. Discussion of strategies for implementation of the effective use of AAC to meet communicative needs. The course requires laboratory experiences, and building of low cost communication boards and adaptations for equipments.

MSLP652 ASSESSMENT AND DIFFERENTIAL DIAGNOSIS OF COMMUNICATION DISORDERS (3 cr.)

Study of different clinical procedures used in evaluations of patients with speech and language disorders. The student will learn and develop assessment tools for evaluation and diagnosis of language disorders in children and adults.

MSLP653 NEUROGENIC DISORDERS IN ADULTS (3 cr.)

The course presents the etiology, diagnostic and treatment of neurogenic disorders in adults. Disorders studied include aphasia and related disorders, neurogenic speech disorders, neurogenic disorders associated with right hemisphere, cranial traumas and degenerative disorders.

MSLP654 EARLY INTERVENTION IN SPEECH AND LANGUAGE (3 cr.)

The theoretical model focus of this course is the transactional model for communication development. The course emphasizes in the influence of environment and linguistic competence of the child.

MSLP655 SUPERVISION, CONSULTATION, AND ADMINISTRATION OF CLINICAL SERVICES (3 cr.)

The course prepares the student to perform consultation and supervision roles. Standards of professional supervision, supervision strategies and service programs design are studied. The course analyzes different models of supervision and consultation.

MSLP657 RESEARCH METHODOLOGY IN COMMUNICATION DISORDERS (3 cr.)

Research design, statistical analysis and dissemination of data with emphasis in clinical research. Discussion of topics related to statement of the research problem, justification, theoretical model, research hypothesis, variables, and quantitative, qualitative designs, collection and data analysis.

MSLP661 MULTICULTURAL PERSPECTIVES IN SPEECH AND LANGUAGE PATHOLOGY (3 cr.)

Study of multicultural issues and effect of sociolinguistics, psycholinguistics and multicultural perspectives in the education of children with communication disorders; assessment and intervention techniques for various communication disorders in multicultural populations, team approach, consultation, collaboration, and counseling techniques for communication disorders in multicultural contexts; understanding relevant policies and laws for multicultural speech-language pathology.

MSLP662 READING AND WRITING DISORDERS: ASSESSMENT AND INTERVENTION (3 cr.)

Considerations about concepts involved in reading and written communication; definition of concepts involved: speech, language, reading and writing. Writing: definitions, pre-requisites, classification, typical development, teaching methods and pathologies. Evaluation strategies in reading and written disorders. Strategies and remediation intervention in reading and written disorders. Roles and responsibilities of the Speech/Language Pathologist in the intervention in reading and written disorders. Team work in the intervention in reading and written disorders.