



Courses' Description of Applied Speech Language Pathology and Audiology

Course number	Course Name	Credit hours	Prerequisites
0702101	<i>General Linguistics</i>	2	
<p>The course introduces students to the basic linguistic concepts and features of human language. It explores the branches of linguistics—phonetics, morphology, syntax, semantics, and pragmatics—while addressing key linguistic concepts. Students will gain foundational knowledge in language structure and function, preparing them for advanced studies in linguistics and related fields.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702210	<i>Language Acquisition/practicum</i>	2	
<p>This course provides an in-depth exploration of language acquisition theories alongside practical application in evaluating, language disorders. Students will develop skills in assessing language milestones, identifying disorders, and implementing evidence-based intervention strategies for individuals across the lifespan.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702120	Anatomy and physiology of speech organs	1	
<p>This course covers the anatomical and functional structure of the speech system, including the respiratory, phonatory (laryngeal), resonatory (oral and nasal cavities), and nervous systems involved in speech production. It explores the roles and mechanisms of these organs in producing speech.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702121	Anatomy and physiology of hearing system	1	
<p>This course covers the anatomy and physiology of the hearing system, focusing on the structure and function of the outer, middle, and inner ear, as well as the auditory pathways to the brain. Students will learn how sound is processed and transmitted.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702150	Introduction to Speech and Hearing Disorders	3	
<p>This introductory course provides basic and theoretical knowledge of speech and hearing sciences. It includes key terms and concepts, exploring various aspects of language, speech, and hearing. The course discusses language components, speech mechanisms, speech, and language disorders, and introduces hearing mechanisms and their significance.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702180	Introduction to Special Education	2	
<p>This course offers a comprehensive overview of individuals with disabilities, especially those affecting language, speech, and hearing, such as intellectual disabilities, autism spectrum disorders, ADHD, behavioral and emotional disorders, sensory impairments (auditory and visual), and specific learning disabilities. It emphasizes tailored educational rehabilitation based on individual capabilities, typically conducted individually.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702200	Clinical Phonetics/practicum	2	
<p>This course aims to provide students with fundamental information about the concept of phonetics and its relation to speech production, with a focus on classifying different speech sounds and applying them in practical contexts. It also covers the use of phonetic symbols in assessment and therapy, through the collection of speech samples and the identification of dialectal differences and speech difficulties</p>			

Course number	Course Name	Credit hours	Prerequisites
0702212	Developmental Psychology	2	
<p>this course introduces students to the fundamental concepts of human development, covering the period from conception to adolescence and adulthood. It explores the biological, physical, cognitive, social, emotional, and linguistic aspects of development, emphasizing the normal growth patterns throughout these stages. The course provides a comprehensive understanding of developmental milestones and processes, helping students analyze the complexities of human growth in both typical and atypical contexts. Special attention is given to the interaction between nature and nurture, as well as individual differences in developmental trajectories.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702230	Pediatrics Audiology	1	
<p>This course covers the evaluation, diagnosis, and management of hearing loss in children, including genetic, developmental, and anatomical aspects. Students will learn audiological assessment techniques, case-based analysis, and develop management plans for pediatric patients, with an emphasis on interdisciplinary collaboration.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702231	Pediatrics Audiology/practicum	2	
<p>This course focuses on the practical aspects of pediatric audiology, teaching students audiological assessment techniques such as tympanometry, otoacoustic emissions, and behavioral audiometry. Through case-based learning, students will develop skills in analyzing pediatric case histories, interpreting test results, and creating management plans for children with hearing loss.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702232	Adult Audiology	1	
<p>This course offers a foundational understanding of audiology, focusing on the anatomy, physiology, and functioning of the human auditory system. Students will explore the structure and roles of the outer, middle, and inner ear, as well as the eighth cranial nerve, to understand hearing mechanisms and related disorders. The course delves into psychophysics principles, sound conduction, and auditory intensity. Additionally, students will study various disorders affecting the outer, middle, and inner ear, including neural impairments, to develop a comprehensive knowledge of auditory health in adults.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702233	Adult Audiology/practicum	2	
<p>This course provides a comprehensive introduction to adult audiology, emphasizing practical skills and diagnostic techniques. Students will develop competencies in case history taking and conducting basic hearing assessments, including Otoscopic examination, acoustic Immittance, and pure-tone audiometry. The course covers essential topics such as masking, speech audiometry, and an overview of advanced diagnostic methods, including Otoacoustic emissions (OAE) and auditory brainstem response (ABR). Students will also gain foundational knowledge of hearing aids and cochlear implants.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702234	Fluency Disorders	1	

Course number	Course Name	Credit hours	Prerequisites
0702235	Fluency Disorders/practicum	2	

Course number	Course Name	Credit hours	Prerequisites
0702240	Physics of Hearing	2	
<p>This course offers students a comprehensive overview of the basics of audiology, including the physics of sound, its various characteristics, types, how it occurs, its transmission, methods of measurement, the sensory and physiological aspects of sound, the structure, function and disorders of the conductive and sensory nervous systems.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702351	Language Disorders	1	0702150
<p>The course aims to familiarize students with language disorders that affect children across developmental stages, from early childhood to adolescence. It explores the natural development of language in children and how language disorders can arise due to biological, neurological, psychological, and environmental factors. The course also provides detailed classifications of language disorders, such as receptive and expressive language disorders. Students will learn the importance of assessing and diagnosing these disorders using specialized tools and techniques, emphasizing the significance of early intervention. Additionally, the course presents effective therapeutic strategies to improve children's language skills, considering the uniqueness of each developmental stage and the role of families and teachers in supporting the treatment process.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702352	Language Disorders/practicum	2	
<p>The course aims to identify assessment methods for children with language disorders across different developmental stages. Students will be required to analyze and evaluate appropriate intervention strategies. Additionally, they will be expected to suggest improvements to therapeutic approaches and treatment plans, using clinical reasoning to design suitable assessment and treatment strategies. Furthermore, students will work effectively with therapists and families as part of an integrated team, making informed decisions based on scientific evidence for complex cases when necessary.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702354	Neurogenic Speech and language Disorders	1	0702120
<p>This course includes an introduction to communication disorders resulting from injuries to the nervous system or diseases affecting the nervous system. These disorders include aphasia, dysarthria, and apraxia of speech. The student learns about the neuroanatomical components of language and the speech and language disorders resulting from injuries to the nervous system in terms of the possible causes and characteristics of each disorder.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702355	Neurogenic Speech and language Disorders /practicum	2	
<p>This course includes an introduction to communication disorders resulting from nervous system injuries. This course includes the practical application of the theoretical course, which includes the application of appropriate measures to diagnose cases of communication disorders resulting from nervous system injuries, and also includes the application of the most appropriate treatment methods on patients.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702356	Articulation and Phonological Disorders	1	0702101
<p>This course addresses verbal and phonological disorders, both functional and organic, focusing on sound articulation and characteristics. It includes understanding accurate sound production, identifying speech disorders, and their underlying causes.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702357	Articulation and Phonological Disorders /practicum	2	
<p>This practical course involves assessment and diagnosis of speech disorders and addressing production issues. It includes training in sound production techniques and monitoring long-term therapeutic goals with patients.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702371	Calibration of Hearing instruments	1	

Course number	Course Name	Credit hours	Prerequisites
0702372	Calibration of Hearing instruments /practicum	1	

Course number	Course Name	Credit hours	Prerequisites
0702373	Auditory Verbal Therapy	1	
<p>ocusing on the auditory system and its role in communication. Students will explore the diagnosis and management of hearing loss, including the use of hearing aids, cochlear implants, and assistive listening devices (ALDs). The course examines the impact of hearing loss on speech and language development in individuals who are deaf or hard of hearing, along with strategies for enhancing communication. Topics also include the psychosocial aspects of hearing loss, counseling principles, and audiologic rehabilitation services for children and adults in educational and clinical settings. Through theoretical and practical insights, students will develop a well-rounded understanding of AVT practices and their application in diverse contexts.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702374	Auditory verbal therapy /practicum	2	
<p>This course provides students with practical skills and knowledge in auditory-verbal therapy (AVT), focusing on enhancing communication through auditory and visual stimuli. Students will explore the history and principles of AVT, the integration of audiology, hearing technologies, and speech acoustics, and strategies for developing listening, speaking, and cognitive skills in children. The course emphasizes coaching parents and caregivers, planning and evaluating AVT sessions, and assessing therapy outcomes. Students will also engage in presenting specialized projects on auditory rehabilitation, promoting a hands-on understanding of AVT practices and developmental domains.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702375	Hearing Aids	1	

Course number	Course Name	Credit hours	Prerequisites
0702376	Hearing Aids /practicum	2	

Course number	Course Name	Credit hours	Prerequisites
0702380	Ear and Nose and Throat Diseases	1	0702120
<p>This course delves into the essential aspects of diseases affecting the nose, ear, and larynx, focusing on the most prevalent conditions in these areas. Students will explore the common disorders, their causes, and their impact on speech and hearing abilities. Through in-depth analysis, this course aims to provide comprehensive insights into the implications of these disorders, enabling students to understand their manifestations and consequences in the realms of speech and hearing.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702382	Vestibular Disorders	1	0702380
<p>This course explores vestibular disorders, focusing on the anatomy, physiology, and pathophysiology of the vestibular system. Students will learn to diagnose conditions like BPPV, Meniere's disease, and vestibular migraines, and gain knowledge of diagnostic techniques such as VNG and caloric testing, along with management strategies for vestibular dysfunction.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702383	Vestibular Disorders /practicum	2	
This hands-on course focuses on the practical assessment and management of vestibular disorders. Students will learn to perform diagnostic tests and create effective treatment plans, with an emphasis on applying these skills in real-world clinical settings.			

Course number	Course Name	Credit hours	Prerequisites
0702384	Cochlear Implantation	1	
This course provides an overview of cochlear implants, covering the anatomy of the ear, severe hearing loss, and cochlear implant technology. Students will learn about implant components, candidacy assessment, surgical aspects, and the role of audiologists in pre- and post-implant care, while exploring current developments and challenges in implant design.			

Course number	Course Name	Credit hours	Prerequisites
0702385	Cochlear Implantation /practicum	2	
<p>This practical course focuses on the hands-on aspects of cochlear implants, including candidate assessment, implant tuning, and follow-up care. Students will gain experience with cochlear implant technology, surgical and medical considerations, and current challenges in implant design, while developing the skills to collaborate with interdisciplinary teams and optimize settings for individual patients.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702386	Behavior Modification	2	
<p>This course explores theoretical literature on the core concepts of behavior modification. It covers major behavior theories, the development of behavior modification techniques, and their application strategies across various groups.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702410	Learning Disabilities	2	0702180

Course number	Course Name	Credit hours	Prerequisites
0702441	Noise and Hearing Loss /practicum	2	0702150
<p>This practicum course offers students practical experience in managing noise-induced hearing loss (NIHL). It covers the anatomy and physiology of hearing, the pathophysiology of NIHL, and noise measurement techniques. Students will learn about the assessment and types of NIHL, noise standards, and strategies for reducing occupational noise exposure. The course also includes the management of acoustic trauma, hearing protection devices, and the implementation of hearing conservation programs. Through hands-on practice, students will develop key skills in preventing and managing NIHL.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702453	Human Voice Disorders	1	0702120
<p>This course examines the anatomical and physiological structure of the larynx and its role in voice production. Topics include respiratory functions in voice production, identifying normal and abnormal voice in children and adults, vocal cord diseases, and functional voice problems. Diagnosis and treatment strategies are also covered.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702454	Human Voice Disorders /practicum	2	
This practical course involves diagnosing voice disorders using specialized equipment, such as CSL, Videostroboscopy, Nasometer, and Aerodynamic devices. It includes hands-on training in treatment strategies for various voice disorders.			

Course number	Course Name	Credit hours	Prerequisites
0702455	Cleft palate and Resonance Disorders /practicum	2	
This course provides a concise professional overview, focusing on the development of the fetal face, especially the oral and nasal cavities, and the comprehension of their mechanisms. The students will gain an understanding of the structure and function of the velopharyngeal valve from both anatomical and physiological perspectives, leading to the understanding of speech production. The course includes clinical assessment and diagnosis of speech disorders, emphasizing pressure-based techniques and the use of relevant devices. It also covers the airflow within the oral cavity, surgical interventions, and speech therapy treatments.			

Course number	Course Name	Credit hours	Prerequisites
0702458	Diagnosis and Evaluation in Speech Language Disorders/ practicum	3	
<p>This course deals with the definition of the application of the scientific experimental importance of the processes of evaluation and diagnosis, and the scientific experimental steps for conducting them. The main course presents the standardized control and non-proficient tests in the tactics of evaluation and diagnosis of various disorders, in addition to the use of various devices that assist in the processes of evaluation and diagnosis.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702459	Augmentative and Alternative Communication/ practicum	2	

Course number	Course Name	Credit hours	Prerequisites
0702481	Cerebral Palsy and Dysphagia	1	
<p>This course deals with the definition of cerebral palsy as a group of disorders related to movement, body position, muscle weakness, and the difficulties that may accompany them in speech and swallowing resulting from damage to the central nervous system, which prevents the child from developing, whether in the fetal stage or after birth until the age of three. This course aims to teach students the speech and language disorders that often face a child suffering from cerebral palsy, as well as to introduce them to swallowing difficulties and how to diagnose and treat these symptoms.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702482	Cerebral Palsy and Dysphagia / Practical	2	
This course includes the practical application of what was mentioned in the theoretical course, as it includes the necessary application to analyze practical swallowing issues and their causes, in addition to applying modern mechanisms and techniques to solve swallowing problems, and Gore specializes in classifying pronunciation and analysis in this method, and the participation of different factors, each according to his role.			

Course number	Course Name	Credit hours	Prerequisites
0501161	Introduction to General Psychology	3	

Course number	Course Name	Credit hours	Prerequisites
0702201	Speech Language Rehabilitation for Special Population/practicum	3	

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Course number	Course Name	Credit hours	Prerequisites
0702430	Ethics in Speech and Audiology Practice	1	

Course number	Course Name	Credit hours	Prerequisites
0702431	Speech Instruments Technology /practicum	2	
<p>This course covers the basic devices and working principles of electronic devices related to diagnostic devices and how they can be controlled and how to use them in diagnosis and how to calibrate them. It also includes motivating students to use technology industry tools and organizing programs from the ninth month to improve the diagnostic process.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702432	Research Methodology in Speech and Hearing	2	

Course number	Course Name	Credit hours	Prerequisites
0702433	Speech and hearing Clinics Management and Reporting /practicum	1	

Course number	Course Name	Credit hours	Prerequisites
0702456	Neuromotor Speech Disorders	1	
<p>This course covers the knowledge about the assessment and treatment of motor speech disorders of neurological origin resulting from acquired or developmental neuromotor disorders. This course provides students with the basic concepts of the nervous system that controls speech and what are the motor speech disorders resulting from dysfunction of the nervous system in children and adults.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702457	Neuromotor Speech Disorders / practicum	2	
<p>This course includes the practical application of what was mentioned in the theoretical course in terms of the mechanism for applying standardized and non-standardized tests and measures to obtain the strengths and weaknesses of patients with speech and language disorders resulting from injuries or malfunctions in the nervous system. It also includes developing appropriate treatment plans for this category, and applying appropriate strategies to deal with and treat them.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702485	Clinical Speech Diseases/practicum	3	

Course number	Course Name	Credit hours	Prerequisites
0701411	Quality Control and Assurance	3	0300141

Course number	Course Name	Credit hours	Prerequisites
0702390	Speech Practicum - Observation	1	0702150
<p>This course includes students watching training sessions in the field of speech, language, voice and swallowing, following the mechanism of work of centers and clinics, training methods and strategies used, models provided by centers and how to deal with them.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702391	Speech Practicum-1	1	0702390
<p>This course involves students practicing various cases of speech and language disorders, voice disorders, and swallowing problems, under the supervision of a speech and language therapist in accredited and licensed centers, and participating in activities and discussions that take place around the cases.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702392	Audiology Practicum - Observation	1	07021150
<p>Practical Training in Audiology – Observation introduces students to the clinical environment of audiology through observation. Students will watch audiologists perform key diagnostic assessments, including audiometric testing and Acoustic Immittance measures. The focus is on learning by observation, with students required to submit reports detailing their observations and reflections on the clinical procedures. This course serves as a foundation for future hands-on training in audiology.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702393	Audiology Practicum - 1	1	0702392
<p>Practical Training in Audiology (1) focuses on providing students with practical skills in the field of audiology, including the use of diagnostic devices such as Otoscopes, audiometric testing, and Acoustic Immittance measures. Moreover, students will develop crucial patient counseling and communication skills necessary for effective interaction with clients. Additionally, the course introduces students to the fitting and troubleshooting of hearing aids, laying the foundation for their understanding of audiological practice. It's allow students to apply theoretical knowledge in real-world clinical settings, enhancing their practical competence and readiness for their future roles in audiology.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702490	Speech Practicum-2	1	0702391
<p>This course involves students practicing various cases of speech and language disorders, voice disorders, and swallowing problems, under the supervision of a speech and language therapist in accredited and licensed centers, and participating in activities and discussions that take place around the cases. It also includes students writing treatment plans that contain the goals and strategies used, and preparing training tools and homework for the cases.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702491	Audiology Practicum - 2	1	0702393
<p>Practical Audiology Training (2) immerses students in a dynamic learning experience, blending theoretical insights with hands-on skills crucial for effective audiological practice. Students gain proficiency in using diagnostic tools like otoscopes, audiometric tests, and Acoustic Immittance measures, alongside advanced assessments such as Otoacoustic Emission and Auditory Brain Response (ABR) tests. This multifaceted training equips them to confidently navigate diverse clinical scenarios.</p> <p>Emphasis is placed on honing essential communication and counseling abilities. Furthermore, the course delves into the assessment and management of various hearing disorders, empowering students to interpret test results and offer informed recommendations. Special focus is given to Hearing Aids and cochlear implants in management, reflecting contemporary practices in audiological care.</p>			

Course number	Course Name	Credit hours	Prerequisites
0702492	Clinical Speech Practicum	2	0702490
<p>Clinical Training in Speech is an advanced course designed to provide students with hands-on experience and practical skills in the field of Language and speech. This course is structured to bridge the gap between theoretical knowledge and real-world applications, allowing students to develop clinical competence and professionalism in speech and language practices</p>			

Course number	Course Name	Credit hours	Prerequisites
0702493	Clinical Audiology Practicum	2	0702491
<p>Clinical Training in Audiology is an advanced course designed to provide students with hands-on experience and practical skills in the field of audiology. This course is structured to bridge the gap between theoretical knowledge and real-world applications, allowing students to develop clinical competence and professionalism in Audiological practices.</p>			

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