

1.	School	Rehabilitation Sciences
2.	Department	Hearing and Speech Sciences
3.	Program title (Arabic)	ماجستير في تقويم النطق واللغة
4.	Program title (English)	Master of Science in Speech-Language Pathology
5.	Track	Non-thesis/ Comprehensive Exam

	Specialization #	Degree	Dep #	Faculty #	Year	Track
Plan Number	7	Master of science	04	8	2020/2021	Comprehensive exam

### First: General Rules & Conditions:

1. This plan conforms to the valid regulations of the programs of graduate studies.
2. Specialties of Admission:
  - The First Priority: Bachelor's in Hearing and Speech Sciences, Bachelor's in Speech Sciences, Bachelor's in Hearing Sciences.
  - The Second Priority: Bachelor's in Medical Sciences, Bachelor's in Health Sciences, Bachelor's in Rehabilitation Sciences, Bachelor's in Linguistics or Language Sciences, Bachelor's in Educational or Psychological Sciences, Bachelor's in Sciences.

### Second: Special Conditions:

1. **Other specialities than Bachelor's in Hearing and Speech Sciences, Bachelor's in Speech Sciences, Bachelor's in Hearing Sciences** can be admitted provided that they provide evidence that they completed the following or equivalent courses:  
**Anatomy and Physiology of Speech and Hearing, Introduction to speech - Language and hearing Disorders; Clinical Phonetics.**
2. To pass an interview and a hearing and speech assessment conducted by the Department.

### Third: Study Plan: Studying (42) Credit Hours as following:

1. Obligatory Courses (33) Credit Hours:

Course No.	Course Title	Credit Hrs	Theory	Practical.	Pre/Co-requisite
1804701	Studies in Speech Sound Disorders	3	3	-----	
1804702	Studies in Fluency Disorders	3	3	-----	
1804703	Studies in Audiology	2	2	-----	
1804704	Studies in Aural Rehabilitation	3	3	-----	1804705
1804750	Studies in Language Disorders in Children	3	3	-----	

1804751	Neurogenic Language Disorders	3	3	-----	
1814781	Studies in Swallowing Disorders	3	3	-----	
1804761	Clinical Practicum-Speech	2	-----	8	
1804705	Studies in Child Language Development	3	3	-----	
1804780	Studies in Voice Disorders	3	3	-----	
1804706	Alternative Augmentative Communication	2	2	-----	
1804711	Research Methods and Design in Communication Sciences and Disorders	3	3	-----	

2. Elective Courses: Studying (9) Credit hours from the following:

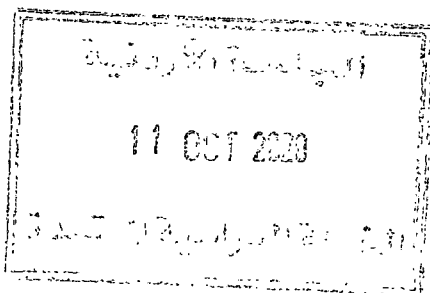
Course No.	Course Title	Credit Hrs	Theory	Practical	Pre/Co-requisite
1804700	Studies in Craniofacial Anomalies and Resonance Disorders	3	3	-----	
1804721	Studies in Neuromotor Speech Disorders	3	3	-----	
1804707	Specialized Practicum, Speech and Hearing	3	-----	12	
1804752	Dyslexia	3	3	-----	
1801712	Applied Biostatistics	3	3	-----	From the School of Rehabilitation, Physical Therapy Dept.
1804712	Principles of Clinics Management in Speech Pathology	3	3	-----	
1804708	Special Topic in Speech-Language Pathology	3	3	-----	
0845734	Behaviour Modification in Special Education	3	3	-----	From the School of Education Sciences, Dept. of Counselling and Special Education
1804709	Independent Study	3	3	-----	

11 OCT 2020

### 3. Passing the Comprehensive Exam (1804798)

#### Fourth:

- A. Students who **do not** have a bachelor degree in Hearing and Speech Sciences are to complete 25 hours of observation of different disorders in clinics in the first semester before starting clinical training.
- B. All students must finish at least (200) contact hours at the Hearing and Speech clinic of which (100) contact hours at any other institution approved by the department. Students must submit a clinical portfolio of accomplished contact hours as per the Department's clinical practicum regulations.



### Instructional Plan

#### First Semester

Course No.	Course Title	Credit Hrs	Pre/Co-requisite
1804705	Studies in Child Language Development	3	
1804703	Studies in Audiology	2	
1804701	Studies in Speech Sound Disorders	3	
<b>Total</b>		<b>8</b>	

#### Second Semester

Course No.	Course Title	Credit Hrs	Pre/Co-requisite
1804702	Studies in Fluency Disorders	3	
1804750	Studies in Language Disorders in Children	3	1804705
1804704	Studies in Aural Rehabilitation	3	
	Elective Course	3	
<b>Total</b>		<b>12</b>	

#### Third Semester

Course No.	Course Title	Credit Hrs	Pre/Co-requisite
1804706	Alternative Augmentative Communication	2	
1804751	Neurogenic Language Disorders	3	
1804761	Clinical Practicum- Speech	2	
	Elective Course	3	
<b>Total</b>		<b>10</b>	

#### Fourth Semester

Course No.	Course Title	Credit Hrs	Pre/Co-requisite
1804781	Studies in Swallowing Disorders	3	
1804780	Studies in Voice Disorders	3	
	Elective Course	3	
1804711	Research Methods and Design in Communication Sciences and Disorders	3	
<b>Total</b>		<b>12</b>	

11 OCT 2020

مركز الاعتماد و ضمان الجودة

### **Course Description**

**(1804700) Studies in Craniofacial Anomalies & Resonance Disorders (3 credit hours)**

This course entails the study of the anatomical and physiological landmarks necessary for conducting various measurements necessary for the evaluation and treatment of people with craniofacial anomalies. This course also incorporates the knowledge of anatomy and physiology, acoustics, diagnosis, phonology, language, and audiology to provide better services to the patient. In addition, this course emphasizes a hands-on approach in conducting videofluoroscopic evaluation and designing prostheses such as palatal lifts and speech bulbs. Finally, it focuses on the relationship between the multidisciplinary team working with patients.

**(1804705) Studies in Child Language Development (3 credit hours)**

This course investigates typical language development and its domains in children's various developmental stages including phonology, syntax, morphology, semantics and pragmatics. It also introduces studies and theories related to language acquisition. In this course, students learn strategies to collect and analyze language samples as well as reporting the results.

**(1804703) Studies in Audiology (2 credit hours)**

This course focuses on the basic anatomy and physiology of the normal auditory system. Additionally, it reviews different auditory disorders and their psychological and social impact as well as the related audiologic assessment and management and hearing assistive devices. This course also aims to introduce the students into selected novel research in this speciality.

**(1804701) Studies in Speech Sound Disorders (3 credit hours)**

The course is a detailed study of speech sound disorders in children. Typical and atypical speech sound development will be emphasized as well as assessment and diagnostic procedures and treatment approaches of phonetic and phonemic speech disorders. Collecting a speech sample, phonetic transcription, speech sample analysis, and writing case reports will also be practiced.

**(1804721) Studies in Neuromotor Speech Disorders (3 credit hours)**

This course provides comprehensive understanding regarding the nature, assessment, and diagnosis of neuromotor speech disorders that may result from stroke, head trauma, progressive neurological diseases, and cerebral palsy in children and adults. Different methods for the treatment of apraxia of speech, and dysarthria are discussed and implemented.

**(1804702) Studies in Fluency Disorders (3 credit hours)**

This course provides an overview of the theories and scientific evidence that form the basis for the management of speech fluency disorders across the life span. A variety of topics that include the characteristics and development of speech fluency disorders, assessment and treatment procedures, family involvement in therapy, and counseling techniques will be emphasized.

11 OCT 2023

**(1804706) Alternative Augmentative Communication (2 credit hours)**

This course will introduce the basic aspects of the field of alternative augmentative communication, including aided and unaided symbols, strategies, and techniques. An overview of augmentative communication assessment and intervention principles and procedures will be presented, along with a range of augmentative and alternative communication (AAC) applications available for individuals who are not able to communicate verbally.

**(1804704) Studies in Aural Rehabilitation (3 credit hours)**

This course concentrates on aural (re)habilitation in children and adults with hearing loss. It addresses (re)habilitation for children and adults with hearing loss and the impact of new technologies on therapy. Philosophies and methods of teaching speech and language to children with hearing loss that utilize all modalities (oral, manual, and visual components) will be emphasized. A review of the use of hearing aids, cochlear implants (as well as other implantable hearing devices), and assistive listening devices will be provided.

**(1804712) Principles of Clinics Management in Speech Pathology (3 Credit hours)**

This course introduces students to the methods and techniques for organization and management of speech/language clinics in public and private schools, hospitals, rehabilitation centers and private practice facilities; principles and procedures underlying patient selection, appropriate placement, family counselling, and utilization of allied professions are discussed.

**(1804750) Studies in Language Disorders in Children (3 credit hours)**

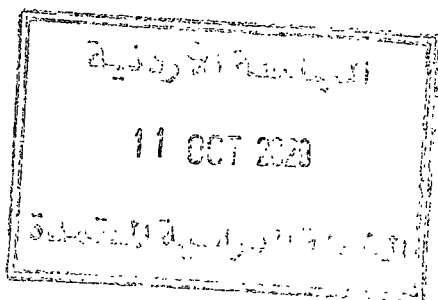
This course concentrates on language disorders in children, from different age groups, including the domains of phonology, syntax, morphology, semantic, and pragmatics. It also concentrates on procedures applied in the assessment and intervention of the different disorders as well as the theoretical basis and practical and clinical implications of these procedures.

**(1804751) Neurogenic Language Disorders (3 credit hours)**

The course is intended to introduce students to the basic principles of the nervous system processes, disorders of speech, trauma, and abnormalities of the nervous system. In addition, it focuses on the diagnostic and therapeutic procedures based on evidence-based practice. It also addresses in-depth the various types of aphasia, methods of diagnosis and treatment of the resulting language and speech problems.

**(1804752) Dyslexia (3 credit hours)**

This course will focus on the characteristics, definitions, etiologies, assessment and diagnosis of reading and writing difficulties and the relationship between spoken and written language. It will also focus on therapeutic procedures in the treatment of children diagnosed with reading and writing difficulties. Emphasis will be placed on the scope of practice for speech-language pathologists.



**(1804711) Research Methods and Design in Communication Sciences and Disorders (3 credit hours)**

This course provides an introduction to research methodologies in communication sciences and disorders. The course enables students to gain a working knowledge about the principles of research design and its implementation. Topics include methodological approaches corpus and approaches, hypotheses formulation, data collection, analyses and documentation, and research ethics. It further aims to engage students in completing a research proposal in order to encourage them to adopt clinical approaches based on evidence-based practice.

**(1801712) Applied Biostatistics (3 credit hours)**

this course provides students with the essential theoretical and practical skills required to understand and employ common statistical procedures utilized in health research. It will expose students to advanced statistical approaches in the health sciences including univariate and multivariate statistical procedures. Students will have the opportunity to practice the usage of statistical packages and software(s) in advanced analysis and modelling

**(1804709) Independent Study (3 credit hours)**

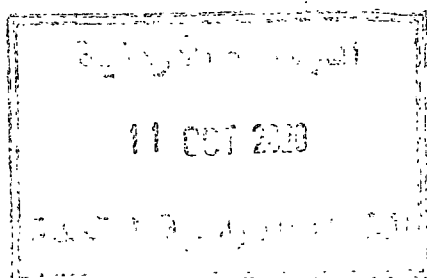
This is a direct reading course on a topic in speech, language, and swallowing. It enables students to build on their existing knowledge and professional experience and study in-depth an aspect related to their choice. The course will enable students to understand the strengths and limitations of the current body of work in the area of interest. Students will choose their own area of interest and may carry out individual or group projects. Students are expected to arrange with a member of staff who will provide supervision throughout the learning process. The expected outcome of this course is a manuscript of a clinical research.

**(1804761) Clinical Practicum-Speech (2 credit hours)**

This course focuses on developing practical skills for students through evaluation and treatment of cases with various communication disorders under the academic specialized supervision of the SLP. The student is expected to complete at least 50 contact hours with patients.

**(1804707) Specialized Clinical Practicum in Speech and Hearing (3 credit hours)**

This course focuses on the practical aspects in speech (2 credit hours) and hearing (1 credit hour) in which the student is expected to finish at least 50 practicum hours per each credit hour under supervision. This course is designed to provide students with the specialized knowledge and skills needed for evaluation, diagnosis and remediation of language disorders in special populations including (patients who underwent Laryngectomy, tracheostomy tubes, feeding tubes, Ventilator dependent patents, cochlear implants, hearing diseases etc.). The course introduces different procedures used in the assessment and treatment of these groups including collecting and analyzing speech samples, working in special education centers, models of service provided to these groups, augmentative and alternative communication devices, selecting the device for temporary or permanent use. This course also emphasizes the collaboration between speech language pathologists and audiologists.



**(1804780) Studies in Voice Disorders**

**(3 credit hours)**

This course provides a presentation of the various processes leading to normal voice production. Disorders of the larynx; the nervous system influencing voice production, principles and procedures of diagnosis and treatment of voice disorders; nature and etiology are also discussed.

**(1804781) Studies in Swallowing Disorders**

**(3 credit hours)**

This course will provide students with the basics of the anatomy and physiology of the normal swallow and the etiologies for dysphagia. It also provides students with the framework for the physical and laboratory evaluation and treatment of dysphagia.

**(1804708) Special Topic in Speech-Language Pathology**

**(3 credit hours)**

The instructor selects a special topic within the field of SLP of interest to the instructor and not offered in the course plan.

**(0845734) Behavior Modification in Special Education**

**(3 credit hours)**

This course deals with Designing and implementing behavior modification programs in the field of special education; practical application of behavior modification with individuals with special needs; meta-analysis of behavior modification research with individuals with special needs ; single subject designs and their alternatives; legal and ethical considerations of behavior modification in the field of special education ; parent training in designing and implementing behavior modification techniques with their children; recent studies in the area of behavior modification in special education field .

