



Program Title:

Master of Phoniatrics

Code:

ENSM



Program Specifications

A- Basic Information

- Program Title: **Master degree in Phoniatrics**

2- Program Type: Single Double Multiple

3- Department (s): Otolaryngology, Anatomy, Neuropsychiatry, Physiology, psychiatry, Genetics, Community.

4- Coordinator: **Prof. Mohamed Rifaat Ahmed**

5- External Evaluator(s): Prof. Nahla Rifaai, Ain Shams University

6- Last date of program specifications approval: **the bylaws of the MS program in Phoniatrics in the Faculty of Medicine, Suez Canal University were approved by the Supreme Council of Universities on 12\10\2009.**

7- Date of program specification revision approval: **2019**

8- Number of credit points for this degree: **120 CP**

B- Professional Information

1- Program Aim

The overall goals of the program are to develop a Phoniatrician with the following characteristics:

- 1- Capable of communicating with others properly.
- 2- Capable of knowing and applying science and technology in a proper way.
- 3- Capable of optimally carrying out different clinical skills.
- 4- Can continuously follow and apply updates.

2. Intended Learning Outcomes (ILOs) of the program

By the end of this program, students should be able to:

a- Knowledge and Understanding:

- a.1 Describe Semantics, phonology and syntax their development.
- a.2 Discuss theories of language development.
- a.3 Describe Prosody and its development.
- a.4 Describe the normal language development.
- a.5 Describe diagnosis, and management of different language disorders.
- a.6 Identify the principle, rationale and different aspects of language therapy.
- a.7 Describe the anatomy of tongue, palate, pharynx and larynx.
- a.8 Describe diagnosis, and management of different speech disorders.



- a.9 Describe the normal physiology of voice production and its physiological changes with age.
- a.10 Describe diagnosis, and management of different voice disorders.
- a.11 Identify the principle, rationale and phases of voice therapy.
- a.12 Describe diagnosis, and management of different disorders affecting the larynx.
- a.13 Mention clinical picture, etiology, diagnosis and management of cerebrovascular strokes
- a.14 Identify up-to date lab, genetics and imaging modalities required for proper diagnosis and management.
- a.15 Identify risk factors that might affect the voice, speech and hearing
- a.16 Describe epidemiology, psychopathology and outcome of psychiatric disorder.
- a.17 Demonstrate basic knowledge of research ethics and medico legal aspects of professional practice.
- a.18 Demonstrate basic knowledge of biostatistics.
- a.19 Identify basis and principles of quality assurance in professional practice.

b- Intellectual Skills

- b1. Use evidence-based medicine in solving patient phoniatrics problems.
- b2. Discriminate levels of evidence in medicine and their translation into evidence-based practice.
- b3. Integrate the results of history, physical and laboratory test findings into a meaningful diagnostic formulation.
- b4. Demonstrate proficiency in evaluating investigations and treatment of routine audiological disorders.
- b5. Demonstrate the ability to apply principles of clinical research design, implementation, and interpretation.
- b6. Explain development phonology, Semantics and syntax
- b7. Explain Prosody and its development.
- b8. Explain the normal articulation of different speech sounds.
- b9. Recognize how to assess and differentiate different speech disorders and the rationale of different speech therapy methods for Stuttering.
- b10. Explain the pathophysiology of different types of nasality, Dysarthria and Apraxia and voice disorders.
- b11. Assess risk in relation to their work and profession.
- b12. Plan to improve performance related to phoniatrics medicine
- b13. Provide students with adequate knowledge and skills in research methodology that enable them to design experiments, analyze data, and review literature critically
- b14. Provide students with adequate knowledge and skills in research ethics that enable them to design researches with high ethical consideration.
- b15. Make professional decision in relation to different professional sequences

C- Professional and Practical Skills

- c.1 Perform assessment of articulation.
- c.2 Perform the articulation test
- c.3 Conduct an informative evaluation for patients with phonological errors.
- c.4 Correct phonological errors
- c.5 Perform a language assessment as well as clinical assessment of the different auditory skills



- c.6 Clinical assess language both receptive and expressive.
- c.7 Clinical assess auditory response in patients with delayed language development.
- c.8 Conduct an informative office-based evaluation for patients with dyslalia
- c.9 Perform examination and auditory perceptual assessment for patients with nasality
- c.10 Conduct an informative office-based evaluation for patients with dysarthria and apraxia
- c.11 Perform examination and auditory perceptual assessment for patients with dysphonia.
- c.12 Write scientific background for a research problem
- c.13 Write informative medical reports.
- c.14 Evaluate different methods and tools available related to phoniatrics

d. General and Transferable Skills

- d.1 Communicate effectively with peers and group facilitators.
- d.2 Work effectively with others as a member or leader of a health care team.
- d.3 Use information technology to serve in the development of professional practice
- d.4 Perform self-evaluation and peer evaluation and specify his own educational needs
- d.5 Use different resources to obtain knowledge and information.
- d.6 Accept constructive criticism and feedback on their work
- d.7 Manage time effectively
- d.8 Adopt the principles of self and lifelong learning
- d.9 Conduct both individual consultations and presentations at multidisciplinary conferences that are focused, clear, and concise.

3- Academic Standards

3a- External References for Standards

- The generic Academic Reference Standards (ARS) of NAQAAE for Postgraduate

3b - Comparison of Provision to External References (attached)

4- Curriculum Structure and Contents

4a- Program duration: The program lasts for a minimum of 2 academic years and maximum 5 years, as specified in the internal bylaws for postgraduate studies based on credit points system in the Faculty of Medicine, Suez Canal University approved on February 7th, 2016.

4b- Program structure:

MS Program Credit points (CP) structure:

Total needed credit points for getting MS degree 120 CP

The program consists of **First part 30 CP, Thesis 30 CP, and Second part 60 CP**

1. **The first part of the program:** 30 CP, its duration (15 weeks) for one academic semester. The first part comprises the following:
 - a. A course in **Research Methods and Statistics** planned and held in the Community Medicine Department of the Faculty of Medicine, Suez Canal University. This part includes **4 CP**.
 - b. A course in the **ethics of scientific research** planned and held in the Community Medicine Department of the Faculty of Medicine, Suez Canal University. This part includes **2 CP**.



- c. A course in applied **physiology** planned and held in the physiology Department of the Faculty of Medicine, Suez Canal University. This part includes **2 CP**.
 - d. A course in applied **anatomy** planned and held in the anatomy Department of the Faculty of Medicine, Suez Canal University. This part includes **2 CP**.
 - e. A course in **Genetics** planned and held in the Genetics Department of the Faculty of Medicine, Suez Canal University. This part includes **2 CP**.
 - f. A course in **public health** planned and held in the **public health** Department of the Faculty of Medicine, Suez Canal University. This part includes **3 CP**.
 - g. A course in **Linguistics** planned and held in the **otolaryngology** Department of the Faculty of Medicine, Suez Canal University. This part includes **6 CP**.
 - h. A course in **Neurology** planned and held in the Neurology Department of the Faculty of Medicine, Suez Canal University. This part includes **2 CP**.
 - i. A course in **Psychiatry** planned and held in the Psychiatry Department of the Faculty of Medicine, Suez Canal University. This part includes **2 CP**.
 - j. A course in **Audiology** planned and held in the **otolaryngology** Department of the Faculty of Medicine, Suez Canal University. This part includes **3 CP**.
 - k. **One elective**. This part includes **2 CP**.
- 2- **MS thesis:** 30 CP, no scores for thesis. The candidate has the right to register his/her thesis protocol after 6 months from the degree registration. The first time for thesis defense after 6 months from the date of the faculty council approval on the thesis protocol.
- 3- **The second part of the program:** 60 CP, its duration (45 weeks) for 3 consecutive academic semesters. The second part comprises the specialized courses in Otolaryngology and Phoniatics, planned and held in the Otolaryngology department. This part lasts for 1.5 years ending by written, oral and practical exams.
- 4bi- No. of hours per week:** 2 CP / week which equivalent 50 hours/ week, including lectures, tutorials, self-learning and hands-on training.
- 4bii- No. of credit Points:** The Master program is 120 Credit Points
Every credit point includes 25 working hours (30% = 7 hours for face to face learning activities, and 70% =18 hours for self-learning activities).

5. Program Courses

5.1- Level/Year of Program: First part of MS (30 CP)



Courses			Assessment				
Code No.	Course Title	No. of Credit points	Written Exam			Practical or clinical Exam	Oral exam
			No of Papers	Duration	Marks		
RB	Advanced Research Methods and Statistics	4	1	2 hours	80		
RE	The ethics of scientific research	2	1	1 hour	40		
ENSM01	applied physiology	2	1	1 hour	30		10
ENSM02	applied anatomy	2	1	1 hour	30		10
ENEN03	Genetics	2	1	1 hour	30		10
ENSM04	Neurology	2	1	1 hour	30		10
ENSM05	Psychiatry	2	1	1 hour	30		10
ENSM06	public health	3	1	1 hour	45		15
ENSM07	Audiology	3	1	1 hour	45		15
ENSM08	Linguistics	6	1	3 hour	90		30
E	one Elective courses*	2	1	1 hour	40		
Total		30 credit points			600 marks		

One elective course has 2 CP.

*Student should select one course of the following as an elective course:

- | | | |
|-----|------------------------------|--------------------------------|
| E01 | Evidence Based medicine | (Community Department) |
| E02 | Scientific Writing | (Medical Education Department) |
| E03 | Quality in Medical Education | (Medical Education Department) |
| E04 | Infection Control | (Microbiology Department) |
| E05 | Critical Appraisal | (Community Department) |
| E06 | Communication Skills | (Medical Education Department) |



5-2Level/Year of Program: Second part of MS program (60 CP)

Courses			Assessment					
Code No.	Course Title	No. of Credit points	Written Exam			Oral exam	Practical or clinical Exam	Continues assessment *(Portfolio)
			No of papers	Durati on	Marks			
ENSM09	Practical course in ORL	5	1	2 hours	75	25		
ENSM10	Scientific and Practical clinical training in phoniatics	50		3 hours	150	100	300	300
			2	3 hours	150			
	***Scientific activities	5						
Total		60 credit points			1100**marks			

*Portfolio its scores distributed in the different parts of the portfolio and its total score included among total mark od second part

**every credit point equal 20 marks

***Scientific activities are not included in the total marks

5.3 Thesis: A faculty senior & junior supervisor from the staff members are nominated by the department council to prepare a proposal of the thesis protocol after the selection of a subject that is complementary to the research plans of the department. Data collection, methodologies, study question, timetable, ethical considerations and budget are formulated by the candidate under guidance of his supervisors into a research project. The research protocol is then peer reviewed by two different staff members nominated by the Head of the department who share their ideas and comments with the supervisors to reach to the final form. The research protocol is discussed then openly in one of the department councils to be approved and diverted to the Faculty research committee where it is subjected to a critical appraisal to meet the research basic standards set by the committee. The final approvals of the research protocol are then issued by the committee of post graduate studies, the Faculty and University Council to be registered.

6- Program Admission Requirements

- Bachelor of Medicine & surgery with minimum good grade.
- Registration for the program opens 2 times / year, according to the internal bylaws for postgraduate studies of the Faculty of Medicine, Suez Canal University.

7- Student Assessment Methods

- 7.1 Written (MEQ) to assess the cognitive domain.
- 7.2 MCQs to assess the cognitive domain
- 7.3 Oral Viva Cards to assess higher cognitive and attitude domains.
- 7.4 Observations to assess practical and presentation skills.
- 7.5 Portfolio to assess the cognitive, psychomotor and the affective domains.



8- Weighting of Assessments

Type of exam	
First part (30 credit points= 600 mark)	
• Written exam	490
• Oral and practical exam	110
• Total	600
Second part (60 credit points including 5 credit points not included in the total marks =1100 mark)	
• Oral exam	125
• Practical exam	300
• Written exam	375
• Portfolio	300
Total	1100

9- Regulations for Progression and Program Completion

The regulations for program completion follow the general regulations for the Faculty of Medicine, Suez Canal University for MS approved by the Supreme Council of Universities. The program is considered complete with the accomplishment of 2 summative assessments (for the first and the second parts) and the defense of a thesis developed and submitted for the purpose of acquiring the degree.

First part

- Passing level 60% of total marks of the exam and at least 50% passing level of the total written exam marks

Second part

- Passing level 60% of total marks of the exam
- Passing level 60% total of practical and oral exam

Thesis/Assay

- Passing discussion is required for MS degree

10- Evaluation of Program Intended Learning Outcomes (ILOs)

Evaluator	Tool	Sample
1- Postgraduate students	Needs assessment questionnaires	Random sample of participants
2- Alumni (N/A since this is the first time to implement the program)	N/A	N/A
3- Stakeholders	Self-administered questionnaires DELPHI Focus groups	According to the method
4-External Evaluator(s) (External Examiner(s))	External audit of the program specifications	

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