

*Suez Canal University
Faculty of Medicine*



*Otorhinolaryngology Department
Program MD (Phoniatics)*

Program Spec.

Program Title:

MD of Phoniatics

Code:

ENSM



Program Specification

A- Basic Information

- 1- Programme Title: MD Phoniatics
- 2- Program Type: Single Double Multiple
- 3- Department (s): Otolaryngology, Psychiatry, Neurology and community medicine.
- 4- Coordinator: **Prof. Maged Baher**
- 5- External Evaluator(s): Prof. Nahla Rifaai, Ain shams University
- 6- Last date of program specifications approval: the bylaws of the MD program in Phoniatics in the Faculty of Medicine, Suez Canal University were approved by the Supreme Council of Universities on 2016
- 7- Date of program specification revision approval: 2019
- 8- Number of credit points for this degree: 180 CP

B- Professional Information

1- Program Aim

The overall goals of the program are to:

1. Apply knowledge of accepted standards of clinical medicine and practice life-long learning activities.
2. Effectively treat patients and incorporate preventive medicine.
3. Improve patient care through integrated evidence-based practices & following research updates.
4. Professionally apply, and practice cost-effective medicine.

2. Intended Learning Outcomes (ILOs) of the program

By the end of this program, students should be able to have the Medical Knowledge about established and evolving biomedical, clinical, and cognate sciences, as well as the application of this knowledge to patient care

By the end of this program, participants should be able to

b1. Knowledge and Understanding:

- a1 Describe cognitive development and its relation to language development
- a2 Describe phonetics and its applications
- a3 Discuss pragmatics functions, skills and their development and assessment.
- a4 Describe linguistic profile for different ages



- a5 Describe diagnosis, and management of language in different disorders like Autism spectrum disorder, ADHD & BDMH.
- a6 Describe diagnosis, and management of specific language impairment and learning disabilities.
- a7 Describe diagnosis, and management of dysphasia.
- a8 Describe the principal and phases of esophageal speech.

- a9 Describe different methods that assess vocal fold vibrations.
- a10 Describe indications, advantages and disadvantages of different types of phonosurgery.
- a11 Describe anatomy and physiology of swallowing.
- a12 Describe causes, complications and management of oropharyngeal dysphagia.
- a13 Identify basic and medicolegal aspects and ethics of professional practice and scientific research and its reflection on environment.
- a14 Identify basis and principles of quality assurance in professional practice.
- a15 Demonstrate advances knowledge of biostatistics and research ethics

b-Intellectual Skills:

b1. Demonstrate problem solving skills in solving Phoniatrics problems; by being able to:-

- Define problems in provided case.
- Prioritize the problems.
- Interpret available information about the case including clinical data and results of investigation.

b2. Analyze clinical problems in the light of results of history, physical examination and investigations.

b3. Critically analyze and objectively interpret information/data objectively.

b4. Critically appraise scientific literature specially as regarding phoniatrics field

b5. Communicate complex ideas and arguments in a clear and concise and effective manner.

b6. Evaluate available information objectively, recognizing its limitations.

b7. Recognize the clinical assessment of advanced language skills like prosody and pragmatics.

b8. Discuss the clinical assessment of central auditory processes in patients with delayed language development.

b9. Discuss the clinical assessment and management of specific language impairment and learning disability.

b10. Explain the assessment and management of learning disability.

b11. Explain the assessment of normal, pathological and singing voice.

b12. Explain different methods for assessment of voice and acoustic analysis.

b13. Integrate the results of history, physical and laboratory test findings into a meaningful diagnostic formulation.



- b14. Demonstrate insight into research and scientific method through:
- critical appreciation of methodology;
 - formulating research questions that are pertinent to medicine;
 - choice and application of appropriate quantitative and qualitative methodologies;
 - collecting, analyzing and interpreting data;
 - Analyzing and using numerical data (Use simple statistical methods)
- b15. Effectively code, categorize and analyze data generated through the application of one methodology and write scientific paper
- b16. Assess risk in professional practice
- b17. Plan to improve performance related to phoniatrics medicine
- b18. Make decision in relation to different professional sequences
- b19. Discriminate levels of evidence in medicine and their translation into evidence-based practice.

C- Professional and Practical Skills:

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

- c.1 Perform assessment for Cognitive abilities related to language development.
- c.2 Perform assessment for pragmatics functions and skills.
- c.3 Perform all skills required in the course specifications.
- c.4 Perform and interpret clinical assessment of advanced language skills like prosody and pragmatics.
- c.5 Perform the test for evaluation of the central auditory processes in patients with delayed language development.
- c.6 Correct the affected Pragmatics in patients with language disorders.
- c.7 Assess and report the linguistic profile for different ages.
- c.8 Apply phonetics to different language contexts.
- c.9 Assess and manage cases of specific language impairment.
- c.10 Plan for development of the professional practices and performance of others.
- c.11 Evaluate and improve tools in phoniatrics
- c.12 Maintain comprehensive, timely, and legible medical records.
- c.13 Provide the major goals of an effective quality assurance program:
 - Evidenced of accountability for services rendered and compliances with standards of practice.
 - A defined mechanism to identify, measures and resolves, clinical issues related to practice.
 - A defined mechanism of evaluating quality indicators, collecting data, developing corrective action and assessing outcomes.

D- General and Transferable Skills



- d1. Choose effective modes of communication (listening, nonverbal, explanatory, questioning) and mechanisms of communication (face-to-face, telephone, e-mail, written), as appropriate.
- d2. Obtain informed consent, including effective communication to patients about procedures
- d3. Manage time and use multiple resources, including information technology, to optimize lifelong learning and support patient care decisions.
- d4. Use computers efficiently
- d5. Perform Evaluation for subordinates, peers & program)
- d6. Perform self-evaluation and be a lifelong learner
- d7. Work effectively within team and lead a health care team effectively
- d8. Uphold scientific meetings and manage time effectively

3- Academic Standards

3a- External References for Standards (Benchmarks)

- 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 3 academic years and maximum 7 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:

MD Program Credit points (CP) structure:

Total needed credit points for getting MD degree 180 CP

The program consists of **First part 30 CP, Thesis 50 CP, and Second part 100 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 **advanced Research Methods and Statistics** planned and held in the Community Medicine Department of the Faculty of Medicine, Suez Canal University. This part includes **8 CP**.
 - b. A course in Applied **Psychiatry** planned and held in the Neuropsychiatry Department of the Faculty of Medicine, Suez Canal University. This part includes **4 CP**.
 - c. A course in Applied **Neurology** planned and held in the Neuropsychiatry Department of the Faculty of Medicine, Suez Canal University. This part includes **4 CP**.



d. Two **electives** each one has **2 CP**. The students should select one elective which has not been selected in the Master Degree.

e. A course in **Phoniatics (Advanced linguistics)** planned and held in the Otolaryngology Department of the Faculty of Medicine, Suez Canal University. This part includes **10 CP**.

2- **MD thesis: 50 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 2 years from the date of the faculty council approval on the thesis protocol.

3- **The second part** of the program: **100 CP**, its duration (75 weeks) for 5 consecutive academic semesters. This part lasts for 2.5 years ending by written and practical exams. The second part comprises:-

a) Specialized courses in **Phoniatics**, planned and held in the Otolaryngology Department. This part includes **80 CP**.

b) A course in **Otorhinolaryngology** planned and held in the Otolaryngology Department of the Faculty of Medicine, Suez Canal University. This part includes **10 CP**.

c) A course in **Audiology** planned and held in the Otolaryngology Department of the Faculty of Medicine, Suez Canal University. This part includes **10 CP**.

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 MD program is 180 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 MD (30 CP)



Courses			Assessment				
Code No.	Course Title	No. of Credit points	Written Exam			Oral exam	Practical or clinical Exam
			No of Papers	Duration	Marks		
BR	Advanced Research Methods and Statistics	8	1	3 hours	160		
ENSM 51	Phoniatrics	10	1	3 hours	150	50	
ENSM 52	Psychiatry	4	1	1.5 hours	60	20	
ENSM 53	Neurology	4	1	1.5 hours	60	20	
E	Two Elective courses*	2+2	1+1	1 hour+1 hour	40+40		
Total		30 credit points			600 marks**		

**every credit point equal 20 marks

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

Two elective courses each one has 2 CP. The students should select two elective which has not been selected before in the Master Degree.

Elective courses:

- | | | |
|------------|-------------------------------------|---------------------------------------|
| 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) |



5.2- Level/Year of Program: Second part of MD program (100 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			
ENSM 56	Scieintific and theaoritcal Course in Phoniatics	40	2	3 hours	210	140	420	420
	Practice clinical training in Phoniatics	30		3 hours	210			
ENSM 54	Course in Otolaryngology	10			95	20	85	
ENSM 55	Scieintific and theaoritcal Course in Audiology	10			150	50		
	***Scientific activities	10 (not include d in the total marks)						
Total		100 credit points			1800marks			

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

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

5.3 Thesis: 2 faculty senior supervisors 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, time table, 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 stuff 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

- Master in Phoniatics, 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	510
• Oral and practical exam	90
• Total	600
Second part (100 credit points including 10 credit points not included in the total marks =1800 mark)	
• Oral exam	210
• Practical exam	505
• Written exam	665
• Portfolio	420
Total	1800

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 MD 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 MD 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	

Head of Otorhinolaryngology Department

Prof. Maged Baher