



Faculty of Medicine
Suez Canal University



Medical Education Department
Program Specification- MSc

PROGRAM SPECIFICATIONS

Program Title:

**Master Degree of Medical
Education**

Code:

MEME



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Program Specification

A- Basic Information

1- Program Title: **Master Degree of Medical Education**

2- Program Type: **Single** Double Multiple

3- Department (s): **Medical Education Department**

4- Coordinator: **Prof. Wagdy Talaat**

5- External Evaluator(s) : **Prof.**

6- Last date of program specifications approval: **The bylaws of the Master program in Medical Education in the Faculty of Medicine, Suez Canal University were approved by the Supreme Council of Universities in 2016.**

7-Date of specification revision approval: **2018**

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

B- Professional Information

1- Program Aim

The programs aims at qualifying a cadre of proficient medical educationist to contribute to the advancement of medical education in Egypt and to cope with the era of academic accreditation.

The overall aims of the course are that the student:

- Actively acquires the essential core of up-to-date basic knowledge and skills in Health Professions Education (HPE) equivalent to what is required from a medical educationist.
- Becomes able to use Health Professions Education knowledge and skills in practice, prevent and solve the relevant institution and workplace problems.
- Adopts positive attitudes towards humans, the community, and science.
- Becomes a continuous self-learner.
- Adopts new strategies of learning and assessment on their work place.
- Use the new concept and basics of educational psychology in their educational institutions.
- Provide students with adequate knowledge and skills in research methodology that enable them to design experiments, analyze data, and review literature critically



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- Provide students with adequate knowledge and skills in research ethics that enable them to design researches with high ethical consideration.

2- Intended Learning Outcomes (ILOs) of the program

a- *Knowledge and Understanding:*

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

- a1. Identify the basic and new strategies in medical education.
- a2. Interpret test scores while applying a fair code of assessment practice.
- a3. Identify the quality management approaches in higher education.
- a4. Identify the main research methodologies and statistics.
- a5. Identify the main concepts of research ethics.
- a6. Identify the basic concepts of educational psychology.
- a7. Identify the basic concepts of leadership and management.
- a8. Explain continuous and sequential functions of management.

b- *Intellectual Skills*

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

- b1. Outline the steps of curriculum implementation and analysis.
- b2. Design a curriculum putting into consideration the different learning environments and context as well principles of adult learning.
- b3. Define the principles of Evidence-Based Medicine (EBM) and evidence-based practice.
- B4. Formulate a student assessment plan using appropriate methods of assessment.
- B5. Plan for conduction of a comprehensive program evaluation while applying ethical considerations of evaluation.
- B6. Demonstrate problem solving skills.
- B7- Demonstrate self-learning, self-regulated learning skills.
- B8- Adopt Best Evidence Medical Education (BEME) approach to practice.
- B9-Apply critical appraisal and judgment skills of scientific papers.
- B10- Design curriculum development approach based on different learning theories.
- b11- Design new assessment different methods based on the concepts of learning theories.
- b12- Develop evaluation questionnaires based on the different educational learning theories.

c- *Professional and Practical Skills*

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

- c1. Design and implement a course in their specialties.



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- c2. Conduct an effective learning session using the appropriate learning facilities and learning aids.
- c3. Hold a PBL session.
- c4. Conduct an OSCE exam session.
- c5. Conduct and organize OSPE exam session.
- c6. Implement a Community-Based Education program.
- c7. Apply ethical considerations in practicing EBM.
- c8. Apply the principles of BEME in their researches and professional fields.
- c9. Communicate student assessment results in a clear and accurate manner to stakeholders.
- c10. Report results at a level of understanding appropriate for the group or individual receiving the report.
- c11. Conduct comprehensive program evaluation.
- c12. Critically appraise program evaluation reports.
- c13. Act as a peer-reviewer for the self-studies of other institutions.
- c14. Integrate the leadership and management practices in a work situation to achieve results.
- c15. Lead organizational change.
- c16. Create a climate that encourages change.
- c17. Support change within management systems.
- c18. Demonstrate essential presentation skills.
- c19. Demonstrate the basic concepts of educational psychology in different learning situation.
- c20. Use the concepts of leadership and management in improving performance in health organizations and leading reform in health professions education

d- General and Transferable Skills

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

- d1- Communicate effectively with peers and group facilitators.
- d2- Show respect to other team members' points of view.
- d3- Manage small and large groups effectively.
- d4- Function effectively in a group.
- d5- Apply ethical considerations during conduction of the self-study.
- d6- Manage change and conflicts effectively during group work.
- d7- Use different resources to obtain knowledge and updated information.

3- Academic Standards

3a - External References for Standards (Benchmarks)



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- Master program in Health Professions Education at Maastricht University. Website: www.unimaas.nl
- World Federation for Medical Education (WFME) standards for postgraduate medical education. <http://www.wfme.org>
- The standards of the National Authority of Quality Assurance and Accreditation in Education (NAQAAE). Academic Reference Standards for postgraduates. Website: www.naqaae.org

3b - Comparison of Provision to External References

- A combination of courses were selected from the previously mentioned programs.
- Adaptation of these courses according to the Regional and Egyptian contexts was carried out.
- Some unique courses were suggested and introduced during assessment of the current situation and the needs assessment achieved during preparation for the program.

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:

Master Program Credit points (CP) structure:

Total needed credit points for getting master degree 120 CP

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

1. The first part:

Duration: 15 weeks for one academic semester

This part lasts for 6 months and ends in written, practical, and oral exams. It includes:

- a. A course in Research Methodology (Code: RB) 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 Research Ethics (Code: RE) planned and held in the Forensic and Toxicology Department of the Faculty of Medicine, Suez Canal University. This part includes (2 CP).
- c. One elective course (code: E), the students should select one elective among six available courses. This part includes (2 CP).
- d. The specialized courses in Medical Education, planned and held in the Medical Education Department. It includes (22 CP).

2. Master Thesis (30 CP):

(not included in the total marks of the Master degree)



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The candidate has the right to register the thesis protocol 6 months after registration for the Master degree.

The thesis defense is allowed 6 months after the date of the Faculty Council approval of the thesis protocol and passing the First Part exam.

3. The Second Part (60 CP):

Duration: 45 weeks for 3 consecutive academic semesters.

The second part comprises of a specialized course in Medical Education, planned and held in the Medical Education Department.

This part lasts for 1.5 years ending by written 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 include 25 working hour (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: 1st part MSc

a. Compulsory

Courses			Assessment				
Code No.	Course Title	No. of Credit points	Written Exam			Oral exam	Practical or clinical Exam
			No of Papers	Duration	Marks		
RB	Research methodology and Biostatistics	4	1	2 hours	80		
RE	Research Ethics	2	1	1 hour	40		
MEME01	Educational Psychology course	10	1	3 hours	95	20	85
MEME02	Basics In Medical Education	12	1	3 hours	125	15	100
E	Elective Course*	2	1	1 hour	40		
Total			30 credit points			600 marks**	



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

One elective course has 2 CP. The students should select one elective in first part of the Master degree

- 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)

****Every credit point equal 20 marks**

5.2- Level/Year of Programme: 2nd part MSc

a. Compulsory

Courses			Assessment					
Code No.	Course Title	No. of Credit points	Written Exam			Oral exam	Practical or clinical Exam	Continues assessment *(Portfolio)
			No of papers	Duration	Marks			
MEME03	• Advanced Course in Medical Education	30	3	3 hours For each paper	140 for each paper	150	200	330
	• Practical training in Advances of Medical Education	25						
	***Scientific activities	5 (not included in the total marks)						
Total		60 credit points			**1100 score			

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

****Every credit point equal 20 marks**

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



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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, 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 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. 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 and passing the first part exam.

N.B. **Thesis represents 30 credit points not included in the total mark for master degree.**

6-Program Admission Requirements

- The program accepts candidates with Bachelor degree in Medicine and Surgery with minimum good grade & very good.
- 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.
- 7.3 **Observations** to assess practical and presentation skills.
- 7.4 **Portfolio** to assess the cognitive, psychomotor and the affective domains.

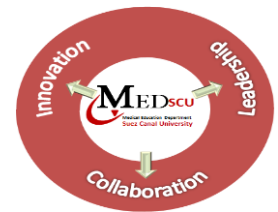
8- Weighting of Assessments

Type of exam

First part (30 credit points= 600 mark)

- Written exam 380
- Oral and practical exam 220
- **Total** 600

Second part (60 credit points including 5 credit points not included in the total marks =1100 mark)



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• Oral exam	150
• Practical exam	200
• Written exam	420
• Portfolio	330
<u>Total</u>	1100

Total of the Master degree 1700

9- Regulations for Progression and Program Completion

The regulations for program completion follow the regulations of Master degree of medical education in the Faculty of Medicine, Suez Canal University approved by the Supreme Council of Universities.

First part

- Passing level 60% of total marks of the exam
- 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% is prerequisite for MSC degree

Thesis/Assay

- Passing thesis defense is prerequisite for getting MSc. Degree

10- Evaluation of Program Intended Learning Outcomes (ILOs)

Evaluator	Tool	Sample
1- Postgraduate students	Needs assessment questionnaires	Random sample of participants
2- Alumni	Self-administered questionnaires	Comprehensive sample
3- Stakeholders	Self-administered questionnaires	Random sample
4- External Evaluator(s) (External Examiner(s))	External audit of the program specifications	

Head of Medical Education Department

Prof. Wagdy Talaat

Date: March 2018