



Faculty of Medicine
Suez Canal University



Program Specifications

MD Degree of Chest Diseases and Tuberculosis

Code: IMCD



Program Specifications

A. Basic Information:

- Programme Title: MD of Chest Diseases and Tuberculosis
- Programme Type: Single Double Multiple
- Department (s): **Department of Internal Medicine (Chest unit).**
- Coordinator: Head of Chest unit.
- External Evaluator (s):
- Last date of programme specifications approval: February, 2020

B. Professional Information:

1. Overall aims of the program:

1. To demonstrate proper assessment and approach to the patient with chest disease.
2. To consolidate the previous knowledge of physiology and pathology to improve clinical practice and clinical skills.

2. Intended learning outcomes:

a. Knowledge and Understanding Teaching Assessment:

- a1. Discuss Approach to diagnose a case of pulmonary diseases.
- a2. Recognize indications of plural biopsy and CT guided lung biopsy.
- a3. Discuss recent and updated guide lines of management of different chest diseases.
- a4. Discuss Physiology of respiration and cardiac circulation.
- a5. Discuss causative bacteria & viruses affecting respiratory system and their management.
- a6. Discuss developmental and metabolic lung diseases.
- a7. Discuss pathology, clinical presentation and treatment of pulmonary neoplasms.
- a8. Discuss pathogenesis and diagnosis of chronic interstitial lung diseases, immunological lung diseases, diseases of the airways, pleural diseases, and vascular lung diseases
- a9. Discuss tuberculosis regarding: diagnosis, prevention and treatment.
- a10. Demonstrate advanced knowledge of biostatistics
- a11. Critically appraise research designs relevant to healthcare.
- a12. Discuss the principles of quality assurance related to chest practice and instrumentation.
- a13. Discuss basics of ethics and medico-legal aspects of chest medicine.
- a14. Discuss the effects of professional practice on the environment and methods of environmental maintenance and development



(B) Intellectual Skills:

- b1. Interpret Radiological imaging of chest (X-Ray and CT).
- b2. Interpret bronchoscope findings.
- b3. Execute problem solving skills.
- b4. Execute self-learning and self-evaluation skills.
- b5. Analyse and evaluate different sources to solve problems related to chest diseases
- b6. Perform scientific research adding new information
- b7. Assess risk in professional practice
- b8. Plan to improve performance related to specialty
- b9. Make professional decision in relation to different professional sequences
- b10. Discuss on basis and evidence
- b11. Write scientific papers
- b12. Be innovative in dealing with chest practice
- b13. Demonstrate insight into research and scientific methods

(C) Professional and Practical skills:

- c.1 Approach and diagnose a case of chest disease.
- c.2 Perform pulmonary function tests and interpret different types of reports.
- c.3 Perform diagnostic fiber optic bronchoscope, pleural biopsy and tapping.
- c.4 Perform CT guided biopsies and thorax biopsies.
- c.5 Write and evaluate professional reports
- c.6 Evaluate different methods and tools available related to Chest diseases
- c.7 Use technology to serve professional practice
- c.8 Plan to develop professional practice and improve performance of others

(D) General and Transferable Skills:

- d1. Work in a team.
- d2. Master managerial skills.
- d3. Demonstrate presentation skills.
- d4. Evaluate subordinates, peers & program.
- d5. Master computer skills.
- d6. Communicate ideas and arguments effectively.
- d7. Use different resources to obtain knowledge and information.
- d8. Patron scientific meetings and manage time effectively.
- d9. Have self-evaluation and lifelong learning skills.

3- Academic Standards:

a External References for Standards (Benchmarks)

- The generic Academic Reference Standards (ARS) of NAQAAE for Postgraduate (2009) [<http://naqaae.org/main/php/book/index.php>]

b Comparison of Provision to External References (attached)

- Some unique courses were suggested and introduced during assessment of the current situation and the needs of assessment achieved during preparation for the program.

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. 2 courses in applied physiology and pathology departments of the Faculty of Medicine, Suez Canal University. This part includes 9 CP for each.
 - b. Two electives each one has 2 CP. The students should select one elective which has not been selected in the Master Degree.
 - c. The specialized courses in biostatistics planned and held in the Department of community medicine and public health. It includes 8 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 6 months from the date of the faculty council approval on the thesis protocol and passing the first part exam.
- 3- **The second part of the program:** 100 CP, its duration (75 weeks) for 5 consecutive academic semesters. The second part comprises the specialized courses in chest diseases and tuberculosis planned and held in the internal medicine department, chest diseases unit. This part lasts for 2 years ending by written and practical exams.

No. of credit Points: the MD program is 180 credit point system.

5-Program Courses

5.1- Level/Year of Programme: 1st part MSc

a. Compulsory

Courses			Assessment				
Code No.	Course Title	Credit points	Written Exam			Oral exam	Practical or clinical Exam
			No of Papers	Duration	Marks		
IMCD 51	Applied Physiology	9	1	3	135	45	-
IMCD 52	Applied Pathology	9	1	3	135	45	-
E	Two Elective courses*	2+2	1+1	1+1	40+40	-	-
Total		30 credit points			600 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.

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	Credit points	Written Exam			Oral exam	Practical or clinical Exam	Continues assessment *(Portfolio)
			No of papers	Duration	Marks			
IMCD 53	Scientific & theoretical Course in chest diseases	30	3	3 hours +3 hours	225 225	180	540	540
	•Practical training in Advances of chest diseases	60		1.5 hour (case)	90			
	***Scientific activities	10 (not included in the total marks)						
Total		100 credit points			1800 marks			

***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: 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.

6- Programme Admission Requirements:

- Bachelor of Medicine & surgery with minimum good grade & very good in Medicine.
- Master degree of chest diseases and tuberculosis with minimum grade (Good).

7- Student Assessment Methods

- (7.1) Written (MEQ) exam to assess the cognitive, knowledge and practical skills.
- (7.2) MCQs to assess the cognitive, knowledge and practical skills.
- (7.3) Oral exam to assess higher cognitive and attitude domains.
- (7.4) Practical exam 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	180
• Practical exam	540
• Written exam	540
• Portfolio	540
Total	1800

9- Regulations for Progression and Programme Completion

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% is prerequisite for MD degree

Thesis/Assay

Passing discussion is required for MD degree

10- Evaluation of Programme Intended Learning Outcomes

Evaluator	Tool	Sample
1- Senior students	Questionnaires	
2- Alumni	Questionnaires	
3- Stakeholders (Employers)	Interviews	
4-External Evaluator(s) (External Examiner(s))	Attending exam. (using checklist and/or rating scale)	
5- Other		

Head of the unit: **Prof. Mahmoud El prince**

Date: / /