



PROGRAM SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Program Title & Code	Postgraduate degree of Public Health & Preventive Medicine.
(2) Final award/degree	MD degree
(3) Department (s)	Public health & community medicine department
(4) Coordinator	Prof. Mohamed Azmy Khafagy Ass. Prof. Bernardit Bernard
(5) External evaluator (s)	
(6) Date of approval by the Department`s council	27/3/2016
(7) Date of last approval of program specification by Faculty council	

(B) Professional information

(1) Program aims:

The broad aims of the Program are as follows:

Advanced education in public health along with advanced knowledge & skills in management, leadership, communications, & innovation thinking needed to address complex public health challenges. The graduates will be able to apply these skills & methods in academic, non-academic, public or private settings where the emphasis is on improving the health of the public.

Graduates of the program should be able to:

- (1) Identify factors affecting the health of a population & develop, implement & evaluate disease control & prevention strategies to improve public health.
- (2) Identify, evaluate & advice for health care of vulnerable groups in the community including maternal & child health, Geriatric Health, Adolescent Health & Rural Health
- (3) Identify, evaluate & advice for nutritional needs of different groups in the community.
- (4) Address complex public health issues with a broad-based understanding of the behavioral, social, & ethical factors that contribute to health & wellness in the community.
- (5) Develop strong research & practice skills in public health & translate public health research into effective policies, programs, & initiatives that improve individual & population health.
- (6) Identify, evaluate & advice for control of environmental & occupational risks & problems.
- (7) Integrate knowledge & analytical skills in practice, leadership, policy analysis, program management & communication.

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical & transferable skills.

On successful completion of the program, the candidate will be able to:

A- Knowledge & Understanding:

- A1:** Identify prevalent health problems in a community using various epidemiological strategies.
- A2:** Explain new trends of prevention & control of communicable & non-communicable diseases
- A3:** Identify principles of health care of vulnerable groups including: maternal & child health, Geriatric Health, Adolescent Health & Rural Health.
- A4:** Recognize principles of family practice approach in Egypt.
- A5:** Recognize principles of mental health.
- A6:** Discuss interaction between nutrition & specific diseases & health problems.
- A7:** Recognize Food faddism, food toxicity, Food-food interaction & Drug-food interaction.
- A8:** Explain principles of health behavior theories & models used in public health research & practice.
- A9:** Identify social & behavioral interventions to reduce public health problems & to improve the health of individuals & populations.
- A10:** Understand evidence-based perspectives & its role in planning & evaluation of health services.
- A11:** Recognize principles of inferential statistics.
- A12:** Explain risk assessment for different health problems.
- A13:** Recognize environmental & occupational risks & health problems.
- A14:** Describe management of environmental & occupational health hazards in various settings.
- A15:** Identify components, participants & regulations affecting healthcare system in Egypt.
- A16:** Explain health policy formulation, process & steps.
- A17:** Explain principles, components, recent trends & updates of health care management.
- A18:** Explain principles, components, recent trends & updates of communication.
- A19:** Understand principles of critical appraisal & evidence based medicine.
- A20:** Understand new medical educational strategies.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Aim 1	•	•																		
Aim 2			•	•	•															
Aim 3						•	•													
Aim 4								•	•											
Aim 5										•	•	•							•	•
Aim 6													•	•						
Aim 7															•	•	•	•	•	•

2- Intellectual activities (I)

The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following intellectual qualities:

B- Intellectual skills

- B1:** Apply appropriate tools to define, describe, & intervene health problems.
B2: Evaluate preventive & control measures designed to a specified problem.
B3: Analyze the health care system in a community
B4: Evaluate health care services & programs for vulnerable groups.
B5: Evaluate nutritional needs of different groups in the community.
B6: Advise on nutrition of patients suffering from specific diseases.
B7: Apply behavioral theories & models to analysis of public health problems & the design & evaluation of interventions to reduce these problems.
B8: Analyze social determinants contributing to public health problems & health in the community.
B9: Apply concepts & methods from biostatistics & epidemiology disciplines jointly.
B10: Perform risk assessment for different health problems.
B11: Interpret quantitative and qualitative data following scientific standards and apply theoretical and evidence-based perspectives.
B12: Evaluate different environmental & occupational risks & problems.
B13: Advise on management of complex environmental & occupational risks & problems.
B14: Apply knowledge learned to take leadership in motivating the community served.
B15: Apply quality & performance improvement concepts to organizational performance.
B16: Apply principles of planning, staffing, managing & evaluation in a health care facility or program.
B17: Apply principles of critical appraisal & evidence based medicine.
B18: Apply recent trends & educational strategies in public health education.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Aim 1	•	•																	
Aim 2			•	•															
Aim 3					•	•													
Aim 4							•	•											
Aim 5									•	•	•							•	•
Aim 6												•	•						
Aim 7														•	•	•	•	•	

C- Professional/practical skills

- C1:** Able to assess Community health needs & priority setting in health planning
- C2:** Able to design, implement & evaluate a health program to deal with a specific health problem especially those affecting vulnerable groups.
- C3:** Plan diet for patients with specific diseases.
- C4:** Able to assess behavioral, social, & ethical factors that contribute to health in the community.
- C5:** Apply advanced concepts of biostatistics & epidemiology.
- C6:** Calculate appropriate sample size in different types of studies.
- C7:** Plan program to prevent & control of a specific environmental or occupational risk or problem.
- C8:** Able to assess, monitor & evaluate the health system.
- C9:** Apply recent approaches to quality management problems.
- C10:** Able to utilize different communication methods in health related issues.

	1	2	3	4	5	6	7	8	9	10
Aim 1	•									
Aim 2		•								
Aim 3			•							
Aim 4				•						
Aim 5					•	•				
Aim 6							•			
Aim 7								•	•	•

D- Communication & Transferable skills

- D1:** Develop communicate skills.
- D2:** Demonstrate skills needed to design & implement a public health education.
- D3:** Develop process of critical thinking.
- D4:** Develop skills for team work.
- D5:** Develop written & oral presentations skills for both public health professionals & other audiences.
- D6:** Search the literature to maximize their educational experiences.

(3) Academic standards:

Academic standards for the program are attached in Appendix I. in which **NARS** issued by the National Authority for Quality Assurance & Accreditation in Education are used.

A table of comparison between the ARS, NARS and program ILOS is attached in [Appendix II](#).

(4) Curriculum structure & contents:

a- Duration of the program (in years or months): 36 months

b- Program structure:

The program consists of 6 semesters; **the first part (semester 1); 15 weeks**
The second part (semesters 2, 3, 4, 5 & 6) 75 weeks: composed of single courses which is **Public Health, Preventive Medicine & social medicine.**

Candidates should fulfill a total of 60 credit hours:

1. Number of credit hours: First part 5 - Second part: 25 hours
 Thesis: 15 hours - Practical activities: 15 hours
2. Teaching hours/week (see next tables).
 First part: Composed of one semester over 24 weeks.
 Second part: Composed of four semesters, over 96 weeks

(5) Program courses:**First Part:**

Course Title	Course Code	NO. of hours per week				Total teaching hours	Program ILOs covered (Referring to matrix)	
		Theoretical		practical	Field			Total
		Lectures	seminars					
A. Compulsory courses:								
Public Health & Preventive Medicine	PHPM 618pp	2				2	30	A1,2 B1,2 C1 D1-6
Behavioral & Social Health & Environmental Health (Advanced level)	PHPM 618 BSH&ENV	1				1	15	A8,9,13,14 C4,7 B7,8,12,13 D1-6
Health care management & PHC Programs	PHPM 618 Mang	1				1	15	A15,16,17 B3,15,16 D1-6
Epidemiologic Methods, Biostatistics & Principles of Research Ethics (advanced level)	PHPM 618 EpiSt2	1				1	15	A10,11,12 B9,10,11 C5,6 D1-6
Total		5				5	75	
B. Elective courses: none								

Second Part:

Course Title	Course Code	NO. of hours per week				Total teaching hours	Program ILOs covered (referring to matrix)	
		Theoretical		practical	Field			Total
		Lectures	seminars					
A. Compulsory courses:								
Public Health & Preventive Medicine	PHPM 618 T	14		9		23	210 lectures 270 practical	A3,4,5,6,7,18 B4,5,6,14 C2,3,8,9,10 D1-6
B. Elective courses:								
Clinical Epidemiology	PHPM 618 CE	2				2	30	A19 B17 D1,3-6
Medical Education	PHPM 618 ME	2				2	30	A20 B18 D1,5,6

Program -Courses ILOs Matrix

Program ILOs are enlisted in the first row of the table (by their code number: a1, a2.....etc), then the course titles or codes are enlisted in first column, & an "x" mark is inserted where the respective course contributes to the achievement of the program ILOs in question.

Course Title/Code	A																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Public Health & Preventive Medicine PHPM 618	•	•																		
Behavioral & Social Health& Environmental Health (Adv.) PHPM 618 BSH&ENV								•	•				•	•						
Health care management & PHC Programs PHPM 618 Mang															•	•	•			
Epidemiologic Methods, Biostatistics & Principles of Research Ethics (advanced level) PHPM 618 EpiSt2										•	•	•								
Public Health & Preventive Medicine PHPM 618 T			•	•	•	•	•											•		
Clinical epidemiology (Elective) PHPM 618CE																			•	
Medical education (elective) PHPM618 ME																				•

Program -Courses ILOs Matrix

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Course Title/Code	B																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Public Health & Preventive Medicine PHPM 618	•	•																	
Behavioral & Social Health& Environmental Health (Adv.) PHPM 618 BSH&ENV							•	•				•	•						
Health care management & PHC Programs PHPM 618 Mang			•												•	•			
Epidemiologic Methods, Biostatistics & Principles of Research Ethics (advanced level) PHPM 618 EpiSt2									•	•	•								
Public Health & Preventive Medicine PHPM 618 T				•	•	•								•					
Clinical epidemiology (Elective) PHPM 618CE																		•	
Medical education (elective) PHPM618 ME																			•

Program -Courses ILOs Matrix

Program ILOs are enlisted in the first row of the table (by their code number: a1, a2.....etc), then the course titles or codes are enlisted in first column, & an "x" mark is inserted where the respective course contributes to the achievement of the program ILOs in question.

Course Title/Code	C										D					
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6
Public Health & Preventive Medicine PHPM 618	•										•	•	•	•	•	•
Behavioral & Social Health& Environmental Health (Adv.) PHPM 618 BSH&ENV				•			•				•	•	•	•	•	•
Health care management & PHC Programs PHPM 618 Mang											•	•	•	•	•	•
Epidemiologic Methods, Biostatistics & Principles of Research Ethics (advanced level) PHPM 618 EpiSt2					•	•					•	•	•	•	•	•
Public Health & Preventive Medicine PHPM 618 T		•	•					•	•	•	•	•	•	•	•	•
Clinical epidemiology (Elective) PHPM 618CE											•		•	•	•	•
Medical education (elective) PHPM618 ME											•				•	•

(6) Program admission requirements:

- **General requirements:** According to the faculty postgraduate bylaws.
- **Specific requirements (if applicable):** No specific requirements

(7) Regulations for progression & program completion:

- Student must complete minimum of 45 credit hours in order to obtain the master degree, which include the courses of first & second parts, essay & activities of the log book.
- Courses description are included in Appendix III.
- Registration for the master essay is allowed 6 months from the day of registration to the program & must fulfill a total of 8 credit hours including material collection, laboratory work, patients follow-up, & meetings with supervisors.

Log book fulfillment:

- Student must fulfill a minimum of 12 credit of log book activities.
- Lectures & seminars of the previously described courses (page 11&12) must be documented in the log book & signed by the lecturer.
- Works related to thesis must be documented in the log book & signed by the supervisors.
- Any workshops, conferences & scientific meetings should be included in the log book.

Final exam:

First part

الدرجة تحريري	الاختبار	المقرر
١٠٠	اختبار تحريري مدته ساعة ونصف	الصحة العامة والطب الوقائي والاجتماعي
١٠٠	اختبار تحريري مدته ساعة ونصف	العلوم السلوكية وصحة البيئة
١٠٠	اختبار تحريري مدته ساعة ونصف	إدارة الخدمات الصحية وإدارة المستشفيات
١٠٠	اختبار تحريري مدته ساعة ونصف	وطرق البحث العلمي للوبائيات

Second part:

إجمالي	الدرجة		الاختبار	المقرر
	شفهي	تحريري		
٣٤٠	١٠٠	١٢٠ +	اختباران تحريريان مدة كل منهما ثلاث ساعات + اختبار شفهي	المقررات الخاصة بالجزء الثاني لدرجة الدكتوراه في الصحة العامة والطب الوقائي والاجتماعي
٦٠		٦٠	اختبار تحريري مدة ساعة ونصف	(وصف حالة)
٣٥	١٥	٢٠	اختبار تحريري مدة ساعة + اختبار شفهي	المقرر الاختباري
٤٣٥	إجمالي الدرجة			

(8) Evaluation of Program's intended learning outcomes (ILOs):

Evaluator	Tools*	Sample size
Internal evaluator (s) Prof. Dr. Olfat Farag Prof. Dr. Abdel Hady Al Gilany	Focus group discussion	Not yet
External Evaluator (s) Prof. Dr.	Evaluation checklist	Not yet
Senior student (s)	None	Not yet
Alumni	None	Not yet
Stakeholder (s)	None	Not yet
others	None	Not yet

* Tools= questionnaire, interview, workshop, communication, e-mail

We certify that all information required to deliver this program is contained in the above specification & will be implemented. All course specification for this program are in place.

Program coordinator: Prof. Dr. Mohamed Azmy Khafagy Ass. Prof. Bernardit Bernard	Signature & date:
Head of the department: Prof. Dr. Mohamed Azmy Khafagy	Signature & date:
Dean: Prof. Dr. El Said Abdel Hady	Signature & date:
Executive director of the quality assurance unit: Prof. Dr. Seham Aly Gad El Hak	Signature & date: