



PROGRAMME SPECIFICATION
Faculty of Medicine- Mansoura University

(A) Administrative information

<input type="checkbox"/> Programme Title & Code	Family medicine FAM500
<input type="checkbox"/> Final award/degree	Master
<input type="checkbox"/> Department (s)	Internal medicine, pediatrics, Ob&Gyn ,Surgery, Public health and community medicine ,Psychiatry, ENT ,ophthalmology, dermatology, clinical pharmacology and clinical pathology.
<input type="checkbox"/> Coordinators	Prof Omayma Saleh Prof internal medicine, faculty of medicine Prof Mohamed Azmy Prof and chairman of public health and community medicine dept
<input type="checkbox"/> External evaluator (s)	
<input type="checkbox"/> Date of approval by the Department's council	
<input type="checkbox"/> Date of last approval of programme specification by Faculty council	9/8/ 2016

(B) Professional information

(1) Programme Aims:

The broad aims of the Programme are as follows:

- 1- To prepare physicians to be able to be leaders in their communities, addressing family and individual needs ;
- 2- To develop and implement integrated health care resources ; monitor and evaluate programs and have the communication skills to interact with other stakeholders in the community.
- 3- Family medicine physicians should acquire competencies in medical areas related to biosocial determinants for family life cycle function and dysfunction.

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

1. Identify the normal function, structure and psychosocial status of humans at various family life cycles (pediatrics, adults and geriatrics as well as normal pregnancy).
2. Recognize the basic concepts and principles of family medicine including components of health care activities for all ages and both sexes with delivery of basic health care at different levels.
3. Describe the etiology, pathogenesis and clinical manifestations of common medical problems affecting patients at different age groups.
4. Describe the management of common medical including psychiatric conditions for all age groups seen by the family physician.
5. Describe methods of diagnosis, investigations and principles management of common pediatric diseases.
6. Assess infants and children in the program of integrated management of childhood illness (IMCI).
7. Identify aspects of normal and abnormal pregnancy including antenatal care.
8. Describe the normal progress of labour.
9. List different options for management of most common surgical cases seen by family physician including surgical and orthopedic emergencies.
10. Explain methods of screening and early detection of cancer.
11. Describe the principles of preoperative preparation and postoperative care.
12. Recall the demographic, epidemiological issues and the health needs of special groups, and its relation to health care services.
13. Recognize the impact of adverse environmental factors on health.
14. Recall the population-based preventive strategies including: Immunization, health screening, and population screening.
15. Define the ethical and legal principles of family medicine practice.
16. Identify the basic methods and ethics of medical research.
17. Describe methods of diagnosis, investigations and principles management of common ophthalmologic, dermatological and ENT cases.

B. Intellectual skills :

1. Integrate information on physical, psychological, social and cultural factors which influence humans and its use to construct and implement appropriate basic health care for individuals and their families.
2. Analyse and evaluate medical information including history taking, clinical examination , results of laboratory and radiological investigations and relate it to management plan.
3. Identify emergency medical conditions presented to the family physician and Integrate and efficiently utilize various resources for the management of these cases.
4. Interpret symptoms and signs of children disease to reach proper diagnosis and differential diagnosis.
5. Use problem solving approach to identify warning signs where referral is indicated.
6. Balance clinical judgments against evidence-based practice guidelines
7. Utilize effective methods for rationalizing drug administration for essential drugs available in family medicine practice.
8. apply safe prescription in pregnancy & lactation
9. Interpret adverse drug effects and interactions
10. Apply critical appraisal skills to evaluate and improve care.
10. Perform medical research about specified medical problem .

C- Professional/practical skills

1. Perform appropriate clinical examination for individuals at various age groups including paediatrics, adolescents, adults and elderly patients.
2. Perform appropriate diagnostic and therapeutic procedures including life support procedures when needed.
3. Practice local Gynecologic and Obstetric examination and insertion of intrauterine contraceptive device.
4. Operate management of spontaneous delivery.
5. Perform ENT, ophthalmological examination in cases seen by family physicians.
6. Demonstrate the ability for proper handling family health records, prescription writing, and preparing referral letter.
7. Perform screening tests when indicated.
8. Counsel community population about premarital care, family planning, adolescent health and for appropriate nutritional requirement in health and disease.
9. Motivate persons at the community to modify their life style in health conditions including smoking, obesity and drug abuse.
10. Be able to psychologically support subjects in the community in conditions of grief, bereavement, and family crisis.
11. Apply risk reduction approach in family medicine practice.

D- Communication & Transferable skills

1. Master communication, consultation and counselling skills
2. Communicates effectively with children and their families.
3. Appreciate partnership between doctor and patient.
4. Be committed to provide high quality primary health care.
5. Be able to work effectively as a team leader , and be willing to consult colleagues when appropriate.
6. Be able to conduct self-audit and respond to positively to criticism .
7. Demonstrate appropriate professional values and attitudes with healthy individuals and patients. including empathy; trust worthiness; respect for the dignity, privacy and rights of patients; and equity of care provision.
8. Use information technology as a tool for audit & quality control.
9. Identify his own strengths, weakness and learning needs and be prepared to continuous medical education.
- 10- Manage time and workload effectively.

a- External reference points/benchmarks are selected to confirm the appropriateness of the objectives, ILOs and structure of assessment of the programme:

ACGME

(4) Curriculum structure and contents:

4.a- Duration of the programme : 6 semesters

4.b- programme structure:

Candidates should fulfill a total of **45** credit hours

●4.b.1: Number of credit hours:

First part (First semester) : 5 credit hours

Second part (second, third and fourth semesters):

Theoretical teaching: 18 credit hours (including electives)

Clinical training : 14 credit hours

Clinical rotation within the clinical departments (**8 credit hours**)

Field training at family medicine centers, in internal medicine, pediatrics , obstetrics and gynecology (**6 credit hours**, 2 credit hours each)

Thesis : 6 credit hours

To be registered at the beginning of second semester and open discussion after a minimum of one year after its registration

Other activities: 2 credit hours

● **Programme courses:**

First part

a- Compulsory courses: 5 credit hours

Course Title	Course Code	Credit hours
Foundation of family medicine & medical ethics course	FAM	1
Psychiatry & behavioural science course	FAM513	1
Public health & community medicine & research methodology course	FAM518	1
Clinical pharmacology course	FAM506	1
Clinical pathology course	FAM530	1

Second part:

a- Compulsory courses :

(Thesis is included in this table)

Course Title	Course Code	Credit hours		
		Theoretical	Clinical	Field training at FHC
Internal medicine course including Medical emergencies and geriatrics	FAM510	4	1	2
Pediatrics course	FAM509	3	1	2
Obstetrics and gynecology	FAM521	3	1	2
General surgery & orthopedic Surgery	FAM520	3	1	
ENT	FAM524	1	1	
Ophthalmology	FAM522	1	1	
Dermatology	FAM515	1	1	
<i>M Sc thesis</i>			6	

b- Elective courses: 2 credit hours

The candidate will choose 2 of the following courses

Course Title	Course Code	Credit hours
Evidence based medicine		1
Infection control		1
Clinical toxicology		1
Critical reading and scientific writing		1

(5) **Courses ILOs matrix:**

a-Knowledge and understanding:

	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17
Internal medicine	X	X	X	X									X	X	X	X	
Pediatrics	X	X			X	X								X			
Obstetrics & Gynecology	X						X	X									
Surgery									X	X	X						
Psychiatry	X			X													
Dermatology																	X
ENT																	X
Ophthalmology																	X
Clinical pharmacology				X	X									X			
Public health		X										X	X			X	
Foundations of family medicine		X															
Clinical pathology			X		X												
Evidence based medicine														X		X	
Infection control													X				
Clinical toxicology													X		X		
Critical reading & scientific writing																X	
MSc thesis												X				X	

	b1	b2	b3	b4	b5	b6	b7	b8	b9	b10	B11	c1	c2	c3	c4	c5	c6	c7	C8	C9	C10	C11
Internal medicine	X	X	X		X	X				X		X	X					X		X		X
Pediatrics		X	X	X	X							X							X			X
Obstetrics & Gyn			X		X			X						X	X			X				X
Surgery			X		X													X				X
Psychiatry	X																				X	X
Dermatology																	X					X
ENT			X														X					X
Ophthalmology			X														X					X
Clinical pharmacol							X	X	X								X					
Public health	X					X				X									X	X		X
Foundations of family medicine	X			X													X					X
Clinical pathology		X																X				
Evidence based medicine		X				X				X							X					X
Infection control	X																					
Clinical toxicology			X						X				X									
Critical reading & scientific writing										X												
MSc thesis						X				X	X						X		X			

D. Communication & Transferable skills

	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10
Internal medicine	X		X	X		X	X		X	X
Pediatrics		X	X	X		X	x		X	X
Obstetrics & Gynecology	X		X	X		X	X		X	X
Surgery			X	X		X	X		X	X
Psychiatry			X			X	x			
Dermatology			X							

ENT			X	X						
Ophthalmology			X	X						
Clinical pharmacology										
Public health			X		X			X		
Foundations of family Medicine	X									
Clinical pathology										
Evidence based medicine					X			X	X	
Infection control				X						
Clinical toxicology				X						
Critical reading & scientific writing					X					
Msc thesis								X		

(6) Programme admission requirements:

● **General requirements:**

According to Bylaws of the faculty .

(7) Regulations for progression and programme completion:

Formative assessment throuout the program is carried out through the logbook activities

An open discussion of the thesis after completion at least 1 year after registration (6 credit hours)

The summative assessment includes :

First part Assessment: (At the end of the first semester,)

Semester exams respresenting 20 % of the marks of the first part (MCQ) carried out after completion of the courses.

End of semester exams in each of the courses : Both written and oral / clinical.

Second part assessment:

Semester exams : (MCQs) after completion of the courses at the second , third and fourth semesters and the cumulative marks will represent 20% of the marks of the second exam.

Final exam: 36 months after registration , after fulfillment of the training , completion of the courses and discussion of the thesis.

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

Evaluator	Tools*	Sample size
Internal evaluator (s)	COMMUNICATION, E_MAIL	
External Evaluator (s) <u>Prof Nagwa Eid Sobhy</u>	COMMUNICATION, E_MAIL	
Senior student (s)	QUESTIONNAIRE, INTERVIEW	
Alumni		
Stakeholder (s)		
Others		

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

Programme coordinators:

Prof Omayma Saleh: Internal medicine.
Prof Mohamed Azmy Public health and community medicine

Signature & date:

Dean:

Name: Prof Elsaheed Abdelhady

Signature & date: