

Alexandria University
Faculty of Medicine
Bachelor of Medicine and Surgery (M.B.B.Ch)
Competency Based curriculum
2018 Bylaw/ Five Years Discipline

Program Description (General Objectives)
<p>AFM MBBCH 5-year Program (2018) is structured to be a competency based. The program extends along 5 years duration followed by 2 years of internship. The Outcome Competencies of the curriculum are based and aligned with the Egyptian National Academic Reference Standards NARS (Medicine 2017). The program aims to graduate physicians who are health care providers, health promoters, professionals, scholars and scientists, members of the health team and parts of the health care system, lifelong learners and researchers.</p>

Program Competencies
1. Mastering the application of basic sciences as a foundation of medicine
2. Applying psychological principles to medical practice
3. Recognizing and Identifying human development
4. Communicate effectively with patients
5. Carrying out a consultation with a patient
6. Diagnosing and managing clinical presentations
7. Providing immediate care in medical emergencies
8. Carrying out practical procedures safely and effectively
9. Using information effectively in a medical context
10. Considering Professionalism and Medical ethics in his/her behavior and relationship
11. Respecting Patient safety and quality of health care
12. Addressing community health needs
13. Performing his/her roles in Prevention, Health Promotion, and Advocacy
14. Understanding the Health care system in Egypt
15. Working collaboratively with colleagues to maintain or improve patient care
16. Applying health informatics in health care system
17. Pursuing personal and professional development
18. Applying research methodology and evidence-based Medicine

Program Design & Contents

Phases/Levels/Semesters:

The program is designed as integrated systems-based curriculum which is divided into 3 phases:

Phase 1: Preclerkship phase: consists of 4 semesters, 15 weeks each. System based integrated blocks with emphasis on normal structure and function & the related clinical skills. Principals of health and disease will be also addressed.

Phase 2: Clerkship Phase I: consists of 4 semesters (from 5th to 8th), 20 weeks each. In this phase infectious diseases, basis of internal medicine and surgery will be covered together with a case-based integrated block at the end. Some related sub-specialties and elective courses will be also covered.

Phase 3: Clerkship Phase II: consists of 2 semesters (9th& 10th), 20 weeks each. Pediatric, gynecology & obstetrics as well as other specialties will be addressed together with principals of toxicology, family medicine and elective courses. The detailed number of weeks& credit hours for each course are addressed in the following table.

Elective courses:

Presented in the clerkship phases and selectively chosen by the students based on their personal interests. It is offered by different medical clinical and academic departments, as well as by other institutes and advocate deep understanding of medical and non- medical educational knowledge. These electives can contribute to both the professional and personal development of medical students in specific areas of interest outside of the standard curriculum. It represents 10 credit hours; at least 6 hours must be covered in AFM's courses that concentrate on any of the different competency areas.

Longitudinal Threads:

Three longitudinal courses (Communication skills, Research and Professionalism) will extend along the pre-clerkship & clerkship phase I, to qualify the students in different competency areas. Assessment of students' performance (individual course grades) will be cumulative.

Pre-clerkship Phase

1st year / Semester I

Course	Code	Weeks	Credit hours	Teaching departments
Medical School orientation (Medical Terminology)	050101MSO	3	2	Medical Education
Foundation of Medical sciences	050101FMS	7	7	Anatomy Histology Biochemistry Physiology Pathology (Genetics) Radiology
Blood and Immune System + Clinical skills	050101BIS	4	4	Anatomy Histology Biochemistry Physiology Radiology Clinical skills committee*
English	University requirement		1	

1st year / Semester II

Course	Code	Weeks	Credit hours	Teaching departments
Musculoskeletal system + Clinical skills	050102MSS	7	7	Anatomy Histology Biochemistry Physiology Radiology Clinical skills committee*
Cardio-respiratory system + Clinical skills	050102CRS	7	7	Anatomy Histology Biochemistry Physiology Radiology Clinical skills committee*
Human Rights	University requirement		1	

2nd year / Semester III

Course	Code	Weeks	Credit hours	Teaching departments
Endocrine and Genitourinary systems+ Clinical skills	050203EGUS	7	7	Anatomy Histology Biochemistry Physiology

				Radiology Clinical skills committee*
Gastrointestinal system and Nutrition + Clinical skills	050204GISN	7	7	Anatomy Histology Biochemistry Physiology Radiology Clinical skills committee*

2nd year / Semester IV				
Course	Code	Weeks	Credit hours	Teaching departments
Nervous system + Clinical skills	050203NS	7	7	Anatomy Histology Biochemistry Physiology Radiology Clinical skills committee*
Concepts of Health and Disease	050204CoHD	5	5	Pathology Pharmacology Community Medicine

Clinical skills committee*: Internal Medicine dept, Medical Education dept, Skill Lab

Clerkship Phase I

3rd Year / Semester V				
Course	Code	Weeks	Credit hours	Teaching departments
Infectious Diseases 1	050305ID1	4	4	Parasitology Microbiology Community Medicine Pharmacology Pathology
Infectious Diseases 2	050305ID2	8	8	Parasitology Microbiology Community Medicine Pharmacology Pathology Tropical Medicine
Elective 1		2 weeks	2	All departments
Elective 2		2 weeks	2	All departments

3rd Year / Semester VI – 4th Year/ Semester VII (extended semester)				
Course	Code	Weeks	Credit hours	Teaching departments
Internal Medicine	050306IMP	15	22.5	Internal Medicine Pharmacology
Surgery	050306SP	15	22.5	Surgery

				Pathology
Case Based Integrated Block Medicine and Surgery	050407CBI	4	6	Internal Medicine Surgery Pathology- Pharmacology

4th Year/ Semester VIII				
Course	Code	Weeks	Credit hours	Teaching departments
Cardio-Pulmonary	050408CP	4	6	Cardiology Chest Cardiothoracic Surgery Microbiology Pharmacology Pathology
Neuroscience	050408NS	4	4	Neurology&Psychiatry Neurosurgery Pharmacology
Dermatology	050408Derm	2	3	Dermatology
Investigative Medicine	050408IM	2	2	Clinical Pathology Radiology
Elective 3		2	2	All departments
Elective 4		2	2	All departments

Clerkship Phase II

5th Year (Extended year)				
Course	Code	Weeks	Credit hours	Teaching departments
Pediatrics	0505Ped	8	12	Pediatrics Pediatric Surgery
Obstetrics and Gynecology	0505ObGy	8	12	Obstetrics & Gynecology Pathology
Ophthalmology	0505Ophth	3	4.5	Ophthalmology
ENT	0505ENT		4.5	Otorhinolaryngology
Emergency Medicine and Clinical Toxicology	0505EMCT	4	6	Emergency &Traumatology Forensic &Medical Toxicology
Anesthesia and Critical Care	0505ACPC	2	2	Anesthesia & Surgical Intensive Care Critical Care Medicine
Orthopedics and Traumatology	0505OT	2	3	Orthopedic Surgery and Traumatology
Case Based Approach to Family Medicine	0505CBAFM	6	6	Community Medicine Forensic Medicine All Clinical departments
Elective 5		2	2	All departments

Longitudinal Threads

Course	Code	1 st year	2 nd year	3 rd year	4 th year	Total CH	Teaching Departments
Communication Skills	0501234CM	1 CH	1CH	1CH	1CH	4CH	Community Medicine Medical Education All Clinical departments
Professionalism	0501234PR	1CH	1CH	1CH	1CH	4CH	Community Medicine Forensic Medicine All Clinical Departments
Research	0501234RS	1CH	2CH	2CH	1CH	6CH	Community Medicine Forensic Medicine Medical Education Research Labs All Clinical and Academic Departments

General Methods for Teaching and Learning (Modified during COVID-19 Period) (Appendix E-G)

1. Teaching Learning Methods/Blended

- Interactive Lectures (Online)
- Practical Sessions (Face to Face)
- Scientific assignments (Online)
- Clinical skills (Physical Attendance)
- Clinical Rotations (Outpatient Clinics, Wards, Emergency Department)
- Case study (Blended)

2. E- Learning

- Lectures
- Virtual Patient Learning
- Integrated Learning Activity (ILA)
- Self Directed Learning
- Scientific Assignments

Program Admission Requirements

The program accepts the Egyptian high school certificate or its equivalence (IGCSE, American High School Diploma, Abitur etc.) according to their rank and the number of student recruitment determined annually by the Supreme Council for Universities.