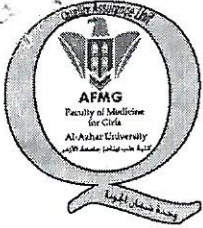


AFMG  
The Faculty of Medicine for Girls  
AL-AZHAR University  
كلية الطب "بنات" جامعة الأزهر

*Al-Azhar University*  
*Faculty of Medicine "Girls"*  
*M.B.B.Ch. Program Specifications*  
*2012- 2013*

للسنة الأولى  
٢٠١٢

رقم ٢٩٨  
١٢/١٠/٢٠١٢  
قرار مجلس الكلية / الموافقة  
استاذ العميد



AFMG  
The Faculty of Medicine for Girls  
AL-AZHAR University  
كلية الطب "بنات" جامعة الأزهر

**University:** Al-Azhar University

**Faculty:** Faculty of Medicine for Girls

## Program Specification (2012/2013)

### **A- Basic Information**

1. **Program Title:** Bachelor of Medicine & Surgery (MB.BCh)
2. **Program Type:** Single

#### **Departments responsible for the program:**

- |                                      |   |
|--------------------------------------|---|
| 1. Anatomy                           | 10. Forensic Medicine and clinical toxicology |
| 2. Histology                         | 11. Oto-rhino-laryngology                     |
| 3. Physiology                        | 12. Ophthalmology                             |
| 4. Biochemistry                      | 13. Internal Medicine & Specialities          |
| 5. Pathology                         | 14. Paediatrics                               |
| 6. Pharmacology                      | 15. General Surgery & specialities            |
| 7. Parasitology                      | 16. Obstetrics and Gynaecology                |
| 8. Microbiology                      | 17. Islamic Studies                           |
| 9. Community and Industrial Medicine | 18. Computer sciences                         |
|                                      | 19. English/Arabic language                   |

**Date of program approval:** 10/2008

## **B- Professional Information**

### **1- Program General Aims:**

- 1.1. Provide female graduates with knowledge and understanding of health and its promotion, and of disease prevention, management and rehabilitation laying stress on update and evidence based approach to be clinically competent for safe and effective medical practice based on Islamic ethics.
- 1.2. Prepare graduates to be proficient in basic clinical skills, demonstrate competency in the performance of a limited number of basic technical procedures and to pursue life-long learning and problem solving skills.
- 1.3. Encourage the acquisition of research skills and stimulating approach to the major public health problems related to the community.
- 1.4. Impart appropriate professional and personal attitudes and behaviour based on Islamic principles for the achievement of high standards of medical practice.

### **2- Intended Learning Outcomes (ILOs)**

#### **2.1. Knowledge and Understanding:**

***Graduates attaining basic medical education should have knowledge & understanding that enable them to:***

- 2.1.a) Recognize basic sciences and different stages of development at a level sufficient to understand normal structure, ultrastructure and function of human body and basics of normal and abnormal behaviours.
- 2.1.b) Identify molecular, biochemical and cellular mechanisms important in maintaining homeostasis.
- 2.1.c) Outline the immune system and the different defence mechanisms against injury and disease.
- 2.1.d) Describe the causative organisms of all diseases that may affect the human body including bacteria, viruses, fungi and parasites stressing on

methods of its isolation and identification and methods of infection control.

- 2.1.e) Identify the aetiology, genetics, pathology and prognosis of all physical and mental diseases in humans, laying stress on community health problems.
- 2.1.f) Describe pharmacological principles of treatment using drugs, their efficacy in the management and symptomatic relief of diseases, and their adverse reactions, stating different modalities of pain relieve and palliative treatment including care of life threatening illnesses and terminally ill diseases.
- 2.1.g) Recognize principles of: disease surveillance & screening, disease prevention, early detection of common community health problems, healthcare planning, prioritization of services, environmental & industrial health hazards, communicable disease control, health promotion and rehabilitation.
- 2.1.h) Recognize epidemiological principles of demography and biological variability and how population-based approaches to health care services can improve medical practice.
- 2.1.i) Demonstrate knowledge and understanding of medicolegal aspect of medical practice and intervention and recognize the basis of clinical toxicology.
- 2.1.j) Consider the legal responsibilities of the medical profession and the - competencies of defining the medical ethics based on an Islamic view.
- 2.1.k) Recognize basics of health and safety procedures during practical and clinical years.
- 2.1.l) Describe different types of diseases related to all body systems and ways of management at all age groups.

- 2.1.m) Recognize principles of normal and abnormal Obstetrics/Gynaecology structure and function, and its related diseases including family planning and evidence-based medicine and ways of management.
- 2.1.n) Understand basis of surgical conditions and their management including basic pre- and post operative care and non invasive and invasive available intervention.
- 2.1.o) Describe causes and mechanisms of diseases related to Oto-Rhino-Laryngology and define the proper management.
- 2.1.p) Identify the aetiologies ,pathogenesis and features of diseases related to Ophthalmology and describe its proper management.
- 2.1.q) Identify basics of diagnosis and management of common acute and chronic neonatal, infant, childhood and adolescent healthcare problems and preventive paediatrics.
- 2.1.r) Describe aging process and principles of geriatric medicine.
- 2.1.s) Understand the principles of musculoskeletal biomechanics and replacement therapy as well as physical methods used in the investigation, evaluation and diagnosis of musculoskeletal diseases and disability.
- 2.1.t) Recognize the principles of non-pharmacological therapies including psychotherapies.
- 2.1.u) Understand basic Islamic Jurisprudence and other related religious subjects that can ascertain good medical practice.
- 2.1.v) Acquire appropriate level of English/Arabic languages that enables them to learn medicine and Islamic subjects efficiently.

## 2.2- Intellectual capabilities:

***Graduates attaining basic medical education should develop Intellectual skills that enable them to:***

- 2.2.a) Relate basic anatomical, histological, biochemical and physiological facts to clinical data.
- 2.2.b) Analyze, interpret, and objectively evaluate data obtained from patient's history and physical findings for choosing the appropriate diagnostic procedures required.
- 2.2.c) Identify the appropriate investigations required for diagnosis.
- 2.2.d) Use analytical thinking in problem-solving and apply decision making skills for appropriate management of common acute and chronic conditions taking into consideration the social status of the patient.
- 2.2.e) Apply principles of scientific research and recognize the importance of rigour in collecting, analyzing and interpreting data in solving medical problems based on evidence .
- 2.2.f) Recognize different elements of risk assessments (to select appropriate tests for detecting patients at risk for specific diseases or in the early stage of disease), and to determine strategies for responding appropriately.
- 2.2.g) Demonstrate their ability to recognize and cope with uncertainty by:
- i. Accepting that uncertainty is unavoidable in the practice of medicine;
  - ii. Using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises.
- 2.2.h) Design an initial course of management for stabilizing patients with serious illness.
- 2.2.i) Recognize, define and prioritize medical problems and its solving.

### 2.3. Skills:

#### ***2.3.1 Professional and practical skills***

***Graduates attaining basic medical education should develop Professional and Practical skills that enable them to:***

- 2.3.1.a) Demonstrate essential practical skills in basic sciences.

- 2.3.1.b) Take accurate and organized, patient-centered, structured and relevant medical history.
- 2.3.1.c) Perform accurate relevant and systematic physical and mental state examination in a sensitive manner, appropriate for age, gender, culture and clinical condition.
- 2.3.1.d) Define problems and formulate a differential diagnosis.
- 2.3.1.e) Produce and maintain recent, legible and accurate records for patients under their care.
- 2.3.1.f) Give advice on health promotion and diseases prevention and control.
- 2.3.1.g) Evaluate the health needs of patients with chronic illness and disability.
- 2.3.1.h) Choose the best cost-effective diagnostic measures and the proper treatment.
- 2.3.1.i) Work out drug dosage based on patient's weight, age, and health condition and write safe prescriptions of different types of drugs.
- 2.3.1.j) Recognize and manage effectively and efficiently different emergency conditions including cardio-pulmonary resuscitation, injured and critically ill.
- 2.3.1.k) Perform first aid measures, simple intervention and basic medical procedures.
- 2.3.1.l) Make clinical decisions based upon evidence and findings.
- 2.3.1.m) Plan an appropriate management strategies for patients.

***Graduates at the end of the house officer year should be competent in performing the following:***

- 2.3.1.n) Practice the procedures learnt during undergraduate in real situations
- 2.3.1.o) Perform venepuncture and collect blood samples

- 2.3.1.p) Insert a cannula into peripheral veins
- 2.3.1.q) Give intramuscular, subcutaneous and intravenous injections
- 2.3.1.r) Perform suturing of superficial wounds.
- 2.3.1.s) Demonstrate competency in cardiopulmonary resuscitation and basic life-support
- 2.3.1.t) Administer compulsory childhood, maternal and international vaccines
- 2.3.1.u) Perform basic bedside tests
- 2.3.1.v) Perform and interpret ECG
- 2.3.1.w) Administer basic oxygen therapy
- 2.3.1.x) Use a nebulizer (inhalation therapy) correctly
- 2.3.1.y) Insert a nasogastric tube
- 2.3.1.z) Perform bladder catheterization
- 2.3.1.aa) Perform procedure of normal labor
- 2.3.1.ab) Adopt suitable measures for infection control

### **2.3.2 General Skills:**

***Graduates attaining basic medical education should develop General and Transferable skills that enable them to:***

- 2.3.2.a) Communicate properly with patients, their relatives, colleagues, nurses, other health professionals and the community.
- 2.3.2.b) Search through medical data base and adopt the principles of self-directed lifelong learning.
- 2.3.2.c) Use updated information technology resources to be independent thinkers and self-learners.
- 2.3.2.d) Work effectively within a team.
- 2.3.2.e) Practice effectively in a continually changing and developing environment.



- 2.3.2.f) Present information clearly in written, electronic and oral forms, and communicates ideas and arguments effectively.
- 2.3.2.g) Effectively manage time and resources and set priorities;
- 2.3.2.h) Identify the needs and expectations of patients.
- 2.3.2.i) Solve problems related to patients, work management, and among colleagues.
- 2.3.2.j) Improve their linguistic capabilities and computer related skills;
- 2.3.2.k) Show leadership skills when appropriate.
- 2.3.2.l) Study topics in depth.
- 2.3.2.m) Analyze and use numerical data (use simple statistical methods).
- 2.3.2.n) Evaluate their work and that of others using constructive feedback.
- 2.3.2.o) Behave ethically and professionally and be committed to their Islamic principles.
- 2.3.2.p) Respect human beings rights and cultural beliefs irrespective of diversity with no stigmatizing of patients.
- 2.3.2.q) Cope with situations where communication is difficult including breaking bad news.
- 2.3.2.r) Show compassion to the patients and their relatives in situations of stress and grief.
- 2.3.2.s) Acquire a respectable appearance and performance.
- 2.3.2.t) Apply the main principles of medical ethics and be able to explain the reasoning behind a decision.
- 2.3.2.u) Respect the role of other healthcare professionals and share in all types of inter-professional activities.
- 2.3.2.v) Recognize the limits of their professional competence.

2.3.2.w) Work with colleagues in the ways that best serve patients' interests.

2.3.2.x) Notify/report about any physical or mental conditions related to himself, colleagues or any other person that might affect patients safety.

### 3- Academic Standards of the program

- National academic reference standards were implemented in May 2008 and were consequently adopted.

### 4- Reference indices (Benchmarks)

- Subject benchmark statements of the General Medical Council (GMC) - UK- ([www.qaa.ac.uk](http://www.qaa.ac.uk))

## Comparison of educational program to Subject benchmark statements of the General Medical Council (GMC) - UK

### Knowledge and understanding:

| Subject benchmark statements<br>( <a href="http://www.qaa.ac.uk">www.qaa.ac.uk</a> ) | ILOs  | Items of difference          |
|--|---|------------------------------|
| 4.2.a  | 2.1.a   |                              |
| 4.2.b  | 2.1.a   |                              |
| 4.2.c  | 2.3.1c  | Skills rather than knowledge |
| 4.2.d  | 2.1.b   |                              |
| 4.2.e  | 2.1.d, 2.1.e, 2.1.L,<br>2.1.o, 2.1.p, 2.1.q               |                              |
| 4.2.f  | 2.1.e, 2.1.g, 2.1.k                                       |                              |
| 4.2.g  | 2.1.c, 2.1.e, 2.1.k, 2.1.L,<br>2.1.m, 2.1.n, 2.1.o, 2.1.p |                              |
| 4.2.h  | 2.1.f   |                              |
| 4.2.i  | 2.1.s   |                              |
| 4.2.j  | 2.1.g   |                              |
| 4.2.k  | 2.1.g   |                              |
| 4.2.l  | 2.1.g, 2.1.i  |                              |
| 4.2.m  | -----   | Not implemented              |

|       |                     |                                |
|-------|---------------------|--------------------------------|
| 4.2.n | -----               | homogenous unicellular society |
| 4.2.o | 2.1.h               |                                |
| 4.2.p | 2.1.i, 2.1.j, 2.1.t |                                |
| 4.2.q | 2.1.u               |                                |
| ----- | 2.1.g               |                                |
| ***** | 2.1.u               |                                |

### Intellectual capabilities:

| Subject benchmark statements<br>( www.qaa.ac.uk) | ILOs             | Items of difference               |
|--|------------------|-----------------------------------|
| 5.1.a  | 2.2.c            |                                   |
| 5.1.b  | 2.3.2.p, 2.3.2.s |                                   |
| 5.2.a  | 2.2.c, 2.3.2.q   |                                   |
| 5.2.b  | 2.2.a            |                                   |
| 5.2.c  | 2.3.2.u          |                                   |
| 5.3.a  | 2.2.d            |                                   |
| 5.3.b  | 2.2.d            |                                   |
| 5.3.c  | 2.2.d            |                                   |
| 5.3.d  | 2.2.d            |                                   |
| 5.3.e  | 2.2.c            |                                   |
| 5.4  | -----            | Not available (limited resources) |
| 5.5.a  | 2.2.e            |                                   |
| 5.5.b  | 2.2.e            |                                   |
|  | 2.2.f            |                                   |
|  | 2.2.g            |                                   |

### Professional and practical skills:

| Subject benchmark statements<br>( www.qaa.ac.uk) | ILOs   | Items of difference                    |
|--|--------|--|
| -----  | 2.3.1a | Relative contribution to part of 6.2.3 |
| 6.2.1.a  | 2.3.1b |  |
| 6.2.1.b  | 2.3.1c |  |
| 6.2.1.c  | 2.3.1d |  |

|         |                      |  |
|---------|----------------------|--|
| 6.2.1.d | 2.2.a, 2.2.b         |  |
| 6.2.1.e | 2.3.1n               |  |
| 6.2.1.f | 2.3.1i, 2.3.1n       |  |
| 6.2.2.  | 2.3.1d               |  |
| 6.2.3   | -----                | Students are not allowed to participate in actual patient's management |
| 6.2.4   | 2.3.1f               |  |
| 6.2.5   | 2.3.2.b              |  |
| 6.2.6   | 2.3.1g               |  |
| 6.2.7   | -----                | Not recommended  |
| 6.3.1   | 2.3.1k               | Skill labs are initiated   |
| 6.3.2   | 2.3.1k, 2.3.1l       |  |
| 6.3.3   | 2.3.g                |  |
| 6.3.4   | 2.1.f,2.1.g ,2.3.2.b |  |
| 7.1     | -----                |  |
| 7.2     | -----                |  |
| 7.3.a   | 2.3.1d, 2.3.2.g      |  |
| 7.3.b   | 2.3.2.g              |  |
| 7.3.c   | 2.3.2.g              |  |
| 7.3.d   | 2.3.2.p              |  |
| 7.3.e   | 2.3.1g, 2.3.2.g      |  |
| 7.3.f   | 2.3.2.p              |  |
| 7.3.g   | 2.3.2.c              |  |
| 7.4.a   | 2.3.2.c              |  |
| 7.4.b   | 2.3.2.u              |  |
| 7.4.c   | 2.3.2.v              |  |
| 7.5.a   | 2.3.1h, 2.3.1n       |  |
| 7.5.b   | 2.3.2.f              |  |
| 7.5.c   | 2.3.1e               |  |
| 7.5.d   | 2.3.1.i, 2.3.2.b     |  |
| 7.6.a   | 2.2.3.o, 2.3.2s      |  |
| 7.6.b   | 2.3.1.d              |  |
| 7.6.c   | 2.2.3.o, 2.3.2s      |  |
| 7.6.d   | 2.3.2.p              |  |
| 7.6.e   | 2.3.2.t              |  |
| 7.7.a   | 2.3.2.u              |  |
| 7.7.b   | 2.3.2 d, 2.3.2h      |  |
| 7.7.c   | 2.3.2s               |  |

### General and Transferable Skills:

| Subject benchmark statements<br>(www.qaa.ac.uk) | ILOs          | Items of difference              |
|---|---------------|----------------------------------|
| 6.1.a   | 2.3.2a        |                                  |
| 6.1.b   | 2.3.2b        |                                  |
| 6.1.c   | 2.3.2.e       |                                  |
| 6.1.d   | 2.3.2f        |                                  |
| 6.1.e   | 2.2.d         |                                  |
| 6.1.f   | 2.3.2j        |                                  |
| 6.1.g   | 2.2.d, 2.3.2e |                                  |
| 6.1.h   | -----         | Not required for under-graduates |
| 6.1.i   | 2.3.2c        |                                  |

**Adoption of the faculty program to The National Academic Reference Standards (NARS):www//naqaae.org**

| NARS ILOs                                 | Program ILOs             |
|---|--------------------------|
| <b>2.1 Knowledge &amp; Understanding</b>  |                          |
| 2.1 a                                     | 2.1.a,m                  |
| 2.1 b                                     | 2.1.b                    |
| 2.1 c                                     | 2.1.a,r                  |
| 2.1.d                                     | 2.1.a                    |
| 2.2                                       | 2.1.l,m,n,o,p,q          |
| 2.3                                       | 2.1.d,e,l,.m,n,o,.p,q,r. |
| 2.4 a                                     | 2.1.f,s,t                |
| 2.4 b                                     | 2.1 L,m,n,o,p,q          |
| 2.4 c                                     | 2.1,m.n,o,p              |
| 2.4 d                                     | 2.1.f                    |
| 2.5 a                                     | 2.1.e, g                 |
| 2.5 b                                     | 2.1.g                    |
| 2.5 c                                     | 2.1.h                    |
| 2.5 d                                     | 2.1.g                    |
| 2.5 e                                     | 2.1.g                    |
| 2.5 f                                     | 2.1 h                    |
| 2.6                                       | 2.1 .i ,j                |
| 2.7                                       | 2.1.k                    |
| 2.8                                       | 2.1.l,m,n,o,p,q,r        |
| <b>3. Practical &amp; Clinical Skills</b> |                          |
| 3.1                                       | 2.3.1.a                  |
| 3.2                                       | 2.3.1.b                  |

|   |           |
|---|-----------|
| 3.3   | 2.3.1.c   |
| 3.4   | 2.3.1.c   |
| 3.5   | 2.3.1.e   |
| 3.6   | 2.3.1.j,m |
| 3.7   | 2.3.1.h,i |
| 3.8   | 2.3.1.j,k |
| 3.9   | 2.3.1.o   |
| 3.10  | 2.3.1.p   |
| 3.11  | 2.3.1,k,q |
| 3.12  | 2.3.1.r   |
| 3.13  | 2.3.1 j,s |
| 3.14  | 2.3.1.t   |
| 3.15  | 2.3.1.u   |
| 3.16  | 2.3.1.v   |
| 3.17  | 2.3.1.w   |
| 3.18  | 2.3.1.k   |
| 3.19  | 2.3.1.x   |
| 3.20  | 2.3.1.y   |
| 3.21  | 2.3.1.z   |
| 3.22  | 2.3.1.aa  |
| 3.23  | 2.3.1.ab  |
| <b>4. Professional Attitude &amp; Behavioral Skills</b> |           |
| 4.1   | 2.3.2.r.  |
| 4.2   | 2.3.2.p,t |
| 4.3   | 2.3.2.o,p |
| 4.4   | 2.3.2.u   |
| 4.5   | 2.3.2.o,t |
| 4.6   | 2.3.2.t   |
| 4.7   | 2.3.2.v   |
| 4.8   | 2.3.2.p   |
| 4.9   | 2.3.2.p   |
| 4.10  | 2.3.2.u,w |
| 4.11  | 2.3.2.u   |
| 4.12  | 2.3.1.h   |
| 4.13  | 2.3.2.x   |
| <b>5. Communication Skills</b>                          |           |
| 5.1   | 2.3.2.a   |
| 5.2   | 2.3.2.o,p |
| 5.3   | 2.3.2.q   |
| 5.4   | 2.3.2.r   |
| 5.5   | 2.3.2.p,t |
| <b>6. Intellectual Skills</b>                           |           |
| 6.1   | 2.2.a     |
| 6.2 a   | 2.2.i     |
| 6.2 b   | 2.2.b     |

|   |                |
|---|----------------|
| 6.3   | 2.2.d          |
| 6.4   | 2.2.b          |
| 6.5   | 2.2.d          |
| 6.6   | 2.2.h          |
| 6.7   | 2.2.f          |
| 6.8   | 2.2.e, 2.3.1.l |
| 6.9   | 2.2.g          |
| 6.10.a,b                                    | 2.2.e          |
| <b>7. General &amp; Transferable Skills</b> |                |
| 7.1   | 2.3.2.b        |
| 7.2   | 2.3.2.c        |
| 7.3   | 2.3.2.c        |
| 7.4   | 2.3.2.f        |
| 7.5   | 2.3.2.f        |
| 7.6   | 2.3.2.d        |
| 7.7   | 2.3.2.m        |
| 7.8   | 2.2.d          |
| 7.9   | 2.3.2.g        |
| 7.10  | 2.3.2.d,k      |
| 7.11  | 2.3.2.i        |
| 7.12  | 2.3.2.e        |
| 7.13  | 2.3.1.ab       |
| 7.14  | 2.3.2.n        |

### **5- Curriculum Structure and Contents of program**

a. Program duration: Six years + One year house officer

b. Program structure

↓ **Egyptians**

↓ No.Of hours : Lectures **3236hrs**      Practical:**2504**      Total:**5740 hrs**

|   | Lecture/w | Lecture/year | Practical/w  | Practical/year | Total /year |
|---|-----------|--------------|--------------|----------------|-------------|
| <b>1<sup>st</sup> year 28 wks</b>             |           |              |              |                |             |
| Anatomy 100                                   | 5         | 140          | 6/w- 28w     | 168            | 308         |
| Physiology 100                                | 5         | 140          | 2/w-28       | 56             | 196         |
| Histology 100                                 | 2         | 56           | 3            | 84             | 140         |
| Biochemistry 100                              | 5         | 140          | 2            | 56             | 196         |
| 100 English                                   | 4         | 112          | -----        | -----          | 112         |
| 100 قران                                      | 1         | 28           | -----        | -----          | 28          |
| عقيدة   | 2         | 56           | -----        | -----          | 56          |
| فقه   | 2         | 56           | -----        | -----          | 56          |
| حاسب الى                                      | 1         | 28           | -----        | -----          | 28          |
| <b>Total</b>                                  |           | <b>756</b>   |              | <b>364</b>     | <b>1120</b> |
| <b>2<sup>nd</sup> year 28 wks</b>             |           |              |              |                |             |
| Anatomy 200                                   | 4         | 112          | 6            | 168            | 280         |
| Physiology 200                                | 5         | 140          | 2            | 56             | 196         |
| Histology 200                                 | 2         | 56           | 3            | 84             | 140         |
| Biochemistry 200                              | 5         | 140          | 2            | 56             | 196         |
| علوم سلوكية                                   | 1         | 28           | -----        |                | 28          |
| 200 انجليزى                                   | 2         | 56           | -----        |                | 56          |
| قران  | 1         | 28           | -----        |                | 28          |
| تاريخ اسلامى                                  | 2         | 56           | -----        |                | 56          |
| <b>Total</b>                                  |           | <b>616</b>   |              | <b>364</b>     | <b>980</b>  |
| <b>3<sup>rd</sup> year 28 wks</b>             |           |              |              |                |             |
| Pharmacology                                  | 4         | 112          | 4            | 112            | 224         |
| Pathology                                     | 4         | 112          | 4            | 112            | 224         |
| Parasitology                                  | 2         | 56           | 2            | 56             | 112         |
| Microbiology                                  | 2         | 56           | 2            | 56             | 112         |
| قران  | 1         | 28           | -----        |                | 28          |
| تفسير   | 1         | 28           | -----        |                | 28          |
| <b>Total</b>                                  |           | <b>392</b>   |              | <b>336</b>     | <b>728</b>  |
| <b>4<sup>th</sup> year 28 wks</b>             |           |              |              |                |             |
| ENT   | 1         | 28           | 12/w x 1 mon | 48             | 76          |
| Ophthalmology                                 | 2         | 56           | 12/w x 2mo   | 96             | 152         |
| Forensic                                      | 2         | 56           | 12/wx 2mon   | 96             | 152         |
| Community                                     | 4         | 112          | 12/wx 2mon   | 96             | 208         |
| قران  | 1         | 28           | -----        |                | 28          |
| حديث  | 1         | 28           |              |                | 28          |
| الاخلاقيات الطبية من منظور اسلامى             | 2         | 56           |              |                | 56          |
| <b>Total</b>                                  |           | <b>364</b>   |              | <b>336</b>     | <b>700</b>  |
| <b>5<sup>th</sup> year 11 months (44 wks)</b> |           |              |              |                |             |
| Internal medicine                             | 9         | 396          | 12/w for 8mo | 384            | 780         |
| Pediatrics                                    | 2         | 88           | 12/w x 3mo   | 144            | 232         |
| <b>Total</b>                                  |           | <b>484</b>   |              | <b>528</b>     | <b>1012</b> |
| <b>6<sup>th</sup> year 12 months (48 wks)</b> |           |              |              |                |             |
| Obstetric&Gyn                                 | 4         | 192          | 12/w-4mon    | 192            | 384         |
| Surgery                                       | 9         | 432          | 12/w-8mon    | 384            | 816         |
| <b>Total</b>                                  |           | <b>624</b>   |              | <b>576</b>     | <b>1200</b> |
| <b>TOTAL</b>                                  |           | <b>3236</b>  |              | <b>2504</b>    | <b>5740</b> |



Basic sciences courses: No

Social I sciences and humanities courses : No

Specialized courses(Clinical courses): No

Other sciences courses (Islamic studies): No.

Field Training (in Community & Industrial med.): 8h / week (included in clinical courses)

Basic & clinical courses :**5124**

- Basic science courses 45.36%
- Clinical courses 54.64%

| Type  | Hours  | Percent |
|---|--|---------|
| <b>Basic Sciences Courses</b>   | <b>2324</b>  |         |
| <ul style="list-style-type: none"><li>• Anatomy and Embryology (1 and 2)</li><li>• Physiology (1 and 2)</li><li>• Histology (1 and 2)</li><li>• Biochemistry (1 and 2)</li><li>• Pathology</li><li>• Pharmacology</li><li>• Microbiology</li><li>• Parasitology</li></ul> | (308+280)<br>(196+196)<br>(140+140)<br>(196+196)<br>(224)<br>(224)<br>(112)<br>(112) |         |
| <b>Social and Humanistic Sciences Courses</b>   | <b>280</b>   |         |
| <ul style="list-style-type: none"><li>• English Language (1-2)</li><li>• Behavioral and Humanistic sciences</li><li>• Medical ethics in Islamic view</li><li>• Computer sciences )</li></ul>  | (168)<br>(28)<br>(56)<br>(28)  |         |
| <b>Islamic Sciences</b>   | <b>336</b>   |         |
| <ul style="list-style-type: none"><li>• Qur'an(1---4)</li><li>• Islamic subjects</li></ul>  | (112)<br>(224)   |         |
| <b>Clinical Sciences Courses</b>  | <b>2800</b>  |         |

| Type                                      | Hours | Percent |
|---|-------|---------|
| • Ophthalmology                           | (152) |         |
| • Ear, Nose and Throat                    | (76)  |         |
| • Forensic Medicine & Clinical Toxicology | (152) |         |
| • Public Health and Community Medicine    | (208) |         |
| • Internal Medicine                       | (780) |         |
| • Paediatric Medicine                     | (232) |         |
| • Surgery                                 | (816) |         |
| * Gynecology & Obstetrics                 | (384) |         |

Malysian

|   | Lecture/w | Lecture/year | Practical/w  | Practical/year | Total /year |
|---|-----------|--------------|--------------|----------------|-------------|
| <b>1<sup>st</sup> year 28 wks</b>             |           |              |              |                |             |
| Anatomy 100                                   | 5         | 140          | 6/w- 28w     | 168            | 308         |
| Physiology 100                                | 5         | 140          | 2/w-28       | 56             | 196         |
| Histology 100                                 | 2         | 56           | 3            | 84             | 140         |
| Biochemistry 100                              | 5         | 140          | 2            | 56             | 196         |
| 100 English                                   | 4         | 112          | -----        | -----          | 112         |
| 100 قرآن كريم                                 | 1         | 28           | -----        | -----          | 28          |
| نحو وصرف                                      | 2         | 56           | -----        | -----          | 56          |
| حاسب الي                                      | 1         | 28           | -----        | -----          | 28          |
| <b>Total</b>                                  |           | <b>700</b>   |              | <b>364</b>     | <b>1064</b> |
| <b>2<sup>nd</sup> year 28 wks</b>             |           |              |              |                |             |
| Anatomy 200                                   | 4         | 112          | 6            | 168            | 280         |
| Physiology 200                                | 5         | 140          | 2            | 56             | 196         |
| Histology 200                                 | 2         | 56           | 3            | 84             | 140         |
| Biochemistry 200                              | 5         | 140          | 2            | 56             | 196         |
| علوم سلوكية                                   | 1         | 28           | -----        | -----          | 28          |
| بلاغة وادب                                    | 2         | 56           | -----        | -----          | 56          |
| قرآن كريم                                     | 1         | 28           | -----        | -----          | 28          |
| تفسير   | 2         | 56           | -----        | -----          | 56          |
| <b>Total</b>                                  |           | <b>616</b>   |              | <b>364</b>     | <b>980</b>  |
| <b>3<sup>rd</sup> year 28 wks</b>             |           |              |              |                |             |
| Pharmacology                                  | 4         | 112          | 4            | 112            | 224         |
| Pathology                                     | 4         | 112          | 4            | 112            | 224         |
| Parasitology                                  | 2         | 56           | 2            | 56             | 112         |
| Microbiology                                  | 2         | 56           | 2            | 56             | 112         |
| قرآن كريم                                     | 1         | 28           | -----        | -----          | 28          |
| فقه   | 4         | 112          | -----        | -----          | 28          |
| حديث  | 2         | 56           |              |                |             |
| تاريخ تشريع                                   | 2         | 56           |              |                |             |
| <b>Total</b>                                  |           | <b>588</b>   |              | <b>336</b>     | <b>924</b>  |
| <b>4<sup>th</sup> year 28 wks</b>             |           |              |              |                |             |
| ENT   | 1         | 28           | 12/w x 1 mon | 48             | 76          |
| Ophthalmology                                 | 2         | 56           | 12/w x 2mo   | 96             | 152         |
| Forensic                                      | 2         | 56           | 12/wx 2mon   | 96             | 152         |
| Community                                     | 4         | 112          | 12/wx 2mon   | 96             | 208         |
| قرآن كريم                                     | 1         | 28           | -----        | -----          | 28          |
| سيرة نبوية                                    | 2         | 56           |              |                | 28          |
| عقيدة و اخلاق                                 | 2         | 56           |              |                |             |
| الاخلاقيات الطبية من منظور اسلامي             | 2         | 56           |              |                | 56          |
| <b>Total</b>                                  |           | <b>438</b>   |              | <b>336</b>     | <b>774</b>  |
| <b>5<sup>th</sup> year 11 months (44 wks)</b> |           |              |              |                |             |
| Internal medicine                             | 9         | 396          | 12/w for 8mo | 384            | 780         |
| Pediatrics                                    | 2         | 88           | 12/w x 3mo   | 144            | 232         |
| قرآن كريم                                     | 2         | 88           |              |                |             |
| تفسير   | 1         | 44           |              |                |             |
| فقه   | 2         | 88           |              |                |             |
| حديث  | 1         | 44           |              |                |             |
| <b>Total</b>                                  |           | <b>748</b>   |              | <b>528</b>     | <b>1276</b> |
| <b>6<sup>th</sup> year 12 months (48 wks)</b> |           |              |              |                |             |
| Obstetric & Gyn                               | 4         | 192          | 12/w-4mon    | 192            | 384         |
| Surgery                                       | 9         | 432          | 12/w-8mon    | 384            | 816         |
| <b>Total</b>                                  |           | <b>624</b>   |              | <b>576</b>     | <b>1200</b> |
| <b>TOTAL</b>                                  |           | <b>3751</b>  |              | <b>2504</b>    | <b>6255</b> |

## Malysian

| Type  | Hours       | Percent |
|---|-------------|---------|
| <b>Basic Sciences Courses</b>   | <b>2324</b> |         |
| <ul style="list-style-type: none"> <li>• Anatomy and Embryology (1 and 2) (308+280)</li> <li>• Physiology (1 and 2) (196+196)</li> <li>• Histology (1 and 2) (140+140)</li> <li>• Biochemistry (1 and 2) (196+196)</li> <li>• Pathology (224)</li> <li>• Pharmacology (224)</li> <li>• Microbiology (112)</li> <li>• Parasitology (112)</li> </ul>                            |             |         |
| <b>Social and Humanistic Sciences Courses</b>   | <b>196</b>  |         |
| <ul style="list-style-type: none"> <li>• Behavioural and Humanistic sciences (28)</li> <li>• Medical ethics in Islamic view (56)</li> <li>• Arabic Language (1-2) (112)</li> </ul>  |             |         |
| <b>Islamic Sciences</b>   | <b>768</b>  |         |
| <ul style="list-style-type: none"> <li>• Qur'an(1---5) (200)</li> <li>• Islamic subjects (568)</li> </ul>   |             |         |
| <b>Clinical Sciences Courses</b>  | <b>2800</b> |         |
| <ul style="list-style-type: none"> <li>• Ophthalmology (152)</li> <li>• Ear, Nose and Throat (76)</li> <li>• Forensic Medicine &amp; Clinical Toxicology (152)</li> <li>• Public Health and Community Medicine (208)</li> <li>• Internal Medicine (780)</li> <li>• Paediatric Medicine (232)</li> <li>• Surgery (816)</li> <li>• Gynecology &amp; Obstetrics (384)</li> </ul> |             |         |

- Basic sciences courses: No 2324 hr
- Social I sciences and humanities courses : No 196 hr
- Specialized courses(Clinical courses): No 2800
- Other sciences courses (Islamic studies): No. 768 hr
- Field Training (in Community & Industrial med.): 8h / week
- Basic & clinical courses :**5124**
- Basic science courses 45.36%
  - Clinical courses 54.64%

c. Program Levels (in credit-hours system): -----

d. Program Courses

i. Compulsory:

| Code or Course No. | Course Title  | No. of hours/week |       |       | Year/level           | Semester |
|--------------------|---|-------------------|-------|-------|----------------------|----------|
|                    |   | Lecture           | Lab.  | Exer. |                      |          |
| Anat.100           | Anatomy and Embryology                                | 5                 | 6     | ----  | 1st year             |          |
| Phys.100           | Physiology  | 5                 | 2     | ----  | 1st year             |          |
| Hist.100           | Histology   | 2                 | 3     | ----  | 1st year             |          |
| Bio.100            | Biochemistry  | 5                 | 2     | ----- | 1st year             |          |
| *Eng.100           | English   | 4                 | ----- | ----- | 1st year             |          |
| Qur'an             | Qur'an  | 1                 | ----- | ----  | 1st year             |          |
| *Islam.100         | Islamic subjects<br>العقيدة والأخلاق - الفقه الإسلامي | 4                 | ----  | ----- | 1st year             |          |
| *Computer          | Computer  | 1                 | ----  | ----- | 1st year             |          |
| **Arabic lagunage  | نحو وصرف  | 2                 |       |       | 1st year             |          |
| Anat.200           | Anatomy and Embryology                                | 4                 | 6     | ----  | 2 <sup>nd</sup> year |          |
| Phys.200           | Physiology  | 5                 | 2     | ----  | 2 <sup>nd</sup> year |          |
| Psyc.200           | Psychology & Behavioural Sciences                     | 1                 |       |       | 2 <sup>nd</sup> year |          |
| Hist.200           | Histology   | 2                 | 3     |       | 2 <sup>nd</sup> year |          |
| Bio.200            | Biochemistry  | 5                 | 2     | ----- | 2 <sup>nd</sup> year |          |

|             |  |   |                       |       |                      |
|-------------|--|---|-----------------------|-------|----------------------|
| *Eng.200    | English                                    | 2 |                       |       | 2 <sup>nd</sup> year |
| Qur'an 200  | Qur'an                                     | 1 | -----                 |       | 2 <sup>nd</sup> year |
| *Islam.200  | Islamic history                            | 2 | ----                  |       | 2 <sup>nd</sup> year |
| ** تفسير    |  | 2 |                       |       | 2 <sup>nd</sup> year |
| ** بلاغة    |  | 2 |                       |       | 2 <sup>nd</sup> year |
| Path.300    | Pathology                                  | 4 | 4                     |       | 3 <sup>rd</sup> year |
| Phar.300    | Pharmacology                               | 4 | 4                     |       | 3 <sup>rd</sup> year |
| Micro.300   | Microbiology and Immunology                | 2 | 2                     |       | 3 <sup>rd</sup> year |
| Para.300    | Parasitology                               | 2 | 2                     | ----- | 3 <sup>rd</sup> year |
| Qur'an 300  | Qur'an                                     | 1 |                       |       | 3 <sup>rd</sup> year |
| Islam.300   | Islamic subject                            |   |                       |       | 3 <sup>rd</sup> year |
|             | * تفسير                                    | 1 |                       |       |                      |
|             | ** حديث                                    | 2 |                       |       |                      |
|             | ** تاريخ تشريع                             | 2 |                       |       |                      |
|             | ، فقه                                      | 4 |                       |       |                      |
| Ophth.400   | Ophthalmology                              | 2 | 12<br>2m/year         |       | 4 <sup>th</sup> year |
| ENT.400     | Otolaryngology                             | 1 | 12<br>1m/year         |       | 4 <sup>th</sup> year |
| Comm.400    | Community and Public Health                | 4 | 8<br>2m/year          |       | 4 <sup>th</sup> year |
| F.M.C.T.400 | Forensic Medicine and Toxicology           | 2 | 10<br>2m/year         |       | 4 <sup>th</sup> year |
|             | Medical ethics based on Islamic principles | 2 | -----                 |       |                      |
| *Qur'an     | Qur'an                                     | 1 |                       |       | 4 <sup>th</sup> year |
| Islam.400   | Islamic Subject                            | 1 |                       |       | 4 <sup>th</sup> year |
|             | * حديث                                     |   |                       |       |                      |
|             | ** عقيدة                                   | ٢ |                       |       |                      |
|             | سيرة نبوية                                 | ٢ |                       |       |                      |
| Med.500     | Internal Medicine and Specialties          | 9 | 12/week<br>8m/year*** |       | 5 <sup>th</sup> year |
| Ped.500     | Paediatrics                                | 2 | 12/week<br>3m/year    |       | 5 <sup>th</sup> year |
| Qur'an 500  | **Qur'an                                   | 2 |                       |       |                      |
| Islam.500   | Islamic Subject                            |   |                       |       |                      |

|              |                           |   |                      |  |                      |
|--------------|---------------------------|---|----------------------|--|----------------------|
|              | حديث**                    | 1 |                      |  |                      |
|              | تفسير**                   | 1 |                      |  |                      |
|              | ، فقه**                   | 2 |                      |  |                      |
| Surg.600     | Surgery and Specialties   | 9 | 12/w<br>8m/year***** |  | 6 <sup>th</sup> year |
| Obst/Gyn.600 | Obstetrics and Gynecology | 4 | 12/w<br>4m/year      |  | 6 <sup>th</sup> year |

\* For Egyptian students

\*\* For Malaysian students

\*\*\* Theoretical (Hour/year) in specialities in medicine:

- 30h /year in Skin & Venereal disease
- 15h /year in Chest disease
- 15h /year in Cardiology & vascular medicine
- 15h /year in Neurology & Psychiatry
- 15h /year in Tropical Medicine
- 15h /year in Endocrinology
- 15h /year in Clinical Pathology
- 6h /year in Physical Medicine & Rheumatology

φ There's 15 days round in each of the following specialities:

Chest - Cardiology - Neurology - Tropical Medicine - Clinical Pathology - Skin & Venereal disease - Physical Medicine & Rheumatology – Psychology & Endocrinology

\*\*\*\*Theoretical (Hour/year) in specialities in surgery:

- 30h /year in Anesthesia
- 15h /year in Orthopedic Surgery
- 15h /year in Urology
- 15h /year in Radiology
- 15h /year in Emergency Medicine

φ There's 15 days round in:

Orthopedic Surgery - Anesthesia & Intensive care –Neurosurgery - Radiology - Urology - Emergency Medicine

### 6-Contents of courses:

Course code or no:

Course title:

Course specification

Contents:

## **7- Program Admission Requirements**

The regulations of Al-Azhar University only select female students who are holding Al-Azhar Education Secondary Certificate (AESC). Applicants are residing in Cairo as well as all other governorates. Those having the highest grades are prioritized. Students from other countries, mainly, Arab, holding equivalent certificate are also accepted. Students with the highest rank are having the best chance for acceptance. The annual students' intake is determined by Al-Azhar Supreme Council.

According to the regulations of Al-Azhar University and its by-law (subject 2- annex 2), the undergraduate program of education provides general education that prepares the students for all career options in medicine. It is a discipline based six-year curriculum, followed by twelve months Pre-Registration House Officer (PRHO) period in the university and community hospitals in order to be licensed for practicing medicine.

The curriculum is divided into three phases; **phase one:** first and second years of medicine (the preliminary phase); **phase two:** the third year of medicine (the intermediate phase). Both phases cover the basic medical sciences and the preclinical years; **phase three:** the fourth, fifth and sixth years of medicine (the final phase), where students start their clinical clerkships (subject 3, annex 2. Islamic related subjects are studied in the first four years, they are taught in Arabic. English language and humanity and behavioural sciences are studied in the first and second years while computer is studied in the first year only. All medical courses are studied in English. The academic year is thirty-six weeks starting in mid-September and ending in mid-June. It includes a mid year vacation for two weeks in January. Phase I and II are not semester based, while the last three clinical years are divided in blocks in term of weeks.

## **8- Regulations for Progression and Program Completion**



According to the internal by law of Al-Azhar university's faculties of medicine

### First Year:

يجوز نقل الطالب بمادة أو مادتين من المواد الطبية الأساسية أو الفرعية إلى الفرقة الثانية (قرار شيخ الأزهر رقم ١٨٢-٢٠٠٦ بفصل الفرقة الأولى عن الثانية دراسة وامتحاناً اعتباراً من المنقولين المستجدين عن العام الجامعي ٢٠٠٦-٢٠٠٧)

### Second Year:

لا ينقل الطالب إلى الفرقة الثالثة إلا إذا كان ناجحاً في جميع المقررات الطبية الأساسية  
(Anatomy, Physiology, Histology & Biochemistry)

يجوز نقل الطالب إلى الفرقة الثالثة بمادة أو مادتين من المواد التالية: قرآن كريم [أولى] قرآن كريم [ثانية] فقه إسلامي [أولى] عقيدة وأخلاق [أولى] تاريخ إسلامي [ثانية] لغة إنجليزية [أولى] لغة إنجليزية [ثانية] علوم سلوكية [ثانية] الحاسب الآلي [أولى]. (المادة ٨) - ص: 6

### Third Year:

لا ينقل الطالب إلى الفرقة الرابعة إلا بعد نجاحه في جميع المقررات الخاصة بالفرقة الثالثة -  
(المادة ١٠) - ص 8

### Fourth- Sixth Year:

ينقل الطالب تلقائياً من الفرقة الرابعة وحتى السنة السادسة المادة ٢٢ - ص: ١٢

لا يجوز للطالب أن يبقى مقيداً بالفرقة الأولى أكثر من عامين من الداخل فقط.

لا يجوز أن يبقى الطالب مقيداً في الفرقة الثانية أكثر من عامين دراسيان ويجوز لمجلس الكلية الترخيص للطالب بالتقدم للامتحان من الخارج فيما رسب فيه لمدة سنة واحدة على الأكثر.

لا يجوز أن يبقى الطالب مقيداً في الفرقة الثالثة أكثر من عامين دراسيان من الداخل ويجوز لمجلس الكلية الترخيص للطالب بالتقدم للامتحان من الخارج فيما رسب فيه لمدة ثلاث سنوات على الأكثر.

لا يجوز للطالب أن يبقى مقيداً بالفرقة النهائية (السادسة) أكثر من عامين من الداخل وثلاث أعوام من الخارج وذلك بترخيص من مجلس الكلية وعلاوة على ما تقدم يجوز لمجلس الكلية الترخيص لطلاب الفرقة النهائية (السادسة) إذا رسبوا فيما لا يزيد على نصف المواد المقررة للمرحلة النهائية في التقدم إلى الامتحان من الخارج بفرص حتى النجاح.

يقدر نجاح الطالب في المواد الإسلامية وفي مواد العلوم السلوكية واللغة الإنجليزية والحاسب الآلي بإحدى التقديرات الآتية:

ممتاز ٨٥ ٪ فأكثر من النهاية العظمى للمادة

جيد جدًا من ٧٥ ٪ إلى أقل من ٨٥ ٪ من النهاية العظمى للمادة  
 جيد من ٦٥ ٪ إلى أقل من ٧٥ ٪ من النهاية العظمى للمادة  
 مقبول من ٥٠ ٪ إلى أقل من ٦٥ ٪ من النهاية العظمى للمادة  
 أما الراسبون في هذه المواد فيقدر بإحدى التقديرين الآتيين:  
 ضعيف ٣٠ ٪ إلى أقل من ٥٠ ٪ من النهاية العظمى للمادة  
 ضعيف جدًا أقل من ٣٠ ٪ من النهاية العظمى للمادة  
 يقدر النجاح للطالب في المادة - فيما عدا المواد السابقة - بإحدى التقديرات الآتية:  
 ممتاز ٨٥ ٪ فأكثر من النهاية العظمى للمادة  
 جيد جدًا من ٧٥ ٪ إلى أقل من ٨٥ ٪ من النهاية العظمى للمادة  
 جيد من ٦٥ ٪ إلى أقل من ٧٥ ٪ من النهاية العظمى للمادة  
 مقبول من ٦٠ ٪ إلى أقل من ٦٥ ٪ من النهاية العظمى للمادة  
 أما الراسبون فيها فيقدر بأحد التقديرين الآتيين:  
 ضعيف ٣٠ ٪ إلى أقل من ٦٠ ٪ من النهاية العظمى للمادة  
 ضعيف جدًا أقل من ٣٠ ٪ من النهاية العظمى للمادة

على الطالب متابعة الدروس النظرية والعملية والإكلينيكية بحيث لا تقل نسبة حضوره عن ٧٥ ٪ من الزمن المقرر لكل مادة ولمجلس الكلية بناءً على طلب مجلس القسم المختص حرمان الطالب الذي لم يستوفى هذه النسبة من التقدم لامتحان هذه المادة ما لم يقبل مجلس الكلية عذره بشرط ألا تقل نسبة حضوره عن ٥٠ ٪ من الزمن المقرر لكل مادة.

### 9- Methods and rules of evaluation of students enrolled in the program:

| Method                       | What is measured of the intended learning outcome       |
|------------------------------|---|
| 1) Essay questions           | Assess low level of Knowledge and Understanding         |
| 2) MCQs                      | Assess high level of understanding                      |
| 3) Practical examination     | Assess practical skills                                 |
| 4) Clinical examination      | Assess clinical skills                                  |
| 5) Oral examination          | Assess intellectual capabilities & attitude             |
| 6) Problem solving questions | Assess high levels of thinking                          |
| 7) OSCE                      | Assess multiple areas of thinking                       |
| 8) OSPE                      | Assess multiple areas of thinking                       |
| 9) Student researches        | Assess general skills, IT, team working, attitude, team |