Welcome

Congratulations for gaining a place in Ain-Shams Medical School. This is the beginning to be qualified in this highly respectable profession; a Physician.
There are 35 departments in Ain-Shams, Faculty of Medicine:

1– Anatomy and Embryology department.
2– Histology and Cell biology department.
3– Physiology department.
4– Medical Biochemistry and Molecular Biology department.
5– Pathology department.
6– Clinical Pharmacology department.
7– Medical Microbiology and Immunology department.
8– Parasitology department.
9– Forensic Medicine and Clinical Toxicology department.
10– Community, Environmental and Occupational medicine department.
11– Ophthalmology department.
12– Otorhinology department.
13– General Internal Medicine department.
14– Pediatric department.
15– Gynecology and obstetric department.
16– General surgery department.
17– Diagnostic Radiology department.
18– Clinical pathology department.
19– Physical medicine, rheumatology and rehabilitation department.
20– Clinical Oncology and Nuclear Medicine department.
21– Anesthesiology, Intensive care department.
22– Neurology and Psychiatry department.
23– Dermatology venerology and andrology department.
24– Chest department.
25– Cardiology department.
26– Tropical medicine department.
27– Orthopedic surgery department.
28– Uro surgery department.
29– Plastic, Reconstructive surgery and burns department.
30– Neurosurgery department.
31– Cardio-thoracic-surgery department.
32– Vascular surgery department.
33– Pediatric surgery department.
34– Geriatric and gerontology department.
35– Family medicine department.
There are two undergraduate programs provided by the Ain-Shams faculty of medicine

1- The Mainstream Program for the bachelor degree in Medicine and Surgery

2 -The Extended Modular Program.

The Mainstream Program for Bachelor Degree in Medicine and Surgery

Educational Strategy and Teaching Methodology

Our Educational Strategy:

• Integration and cooperation between different departments at horizontal and vertical levels with system based blocks at first phase.

• Early clinical exposure and using skill labs and case studies as possible with field training at surrounded community.

• Self directed learning approach with gradual increase in student responsibility and student centered activities.

• Using multiple learning resources for gaining Knowledge and skills.

• Using different learning and teaching methods with using problem solving approach as possible for more integration of knowledge and skills.
Starting elective courses for extra-curricular personal and professional development

Educational period is 6 years in the faculty and university hospital in addition to one year as internship.

During the first 3 preclinical years, you will study the basic sciences needed to understand the different clinical problems and to be applied during your professional career. Because of the continuous changes in the knowledge of these sciences, you need to develop your skills in self-directed learning.

During the second phase (3 clinical years), you will be attached to the university hospital to acquire clinical and intellectual skills needed for your professional development. You will learn how to provide patient-centered care that is compassionate, appropriate, and effective for the treatment of health problems.

Our aim is to acquire the following

1–Sufficient and appropriate knowledge about established biomedical, clinical, statistical, and behavioral sciences relevant to medical practice and their application in context of patient care.

2–A wide variety of clinical skills and professional attitude to provide compassionate, appropriate, and effective care for patients with common, emerging, or life threatening health problems.

3–Ability to review and evaluate patient care practices,
Student Attitude and Activities
appraise and assimilate scientific evidence, and find way to improve their patient care outcomes

5–Interpersonal and communication skills that result in effective information exchange and teaming with professional associates, patient and patients families

6– A start for their medical career with appreciation, motivation, and readiness to continuous and life-long learning for evolving medical sciences and skills

Teaching Methods will include:

• Lectures
• Tutorials
• Practical sections
• Small group interactive discussions and problem oriented sessions
• Integrated lectures (case studies)
• Clinical wards
• Problem solving sessions
• E-learning courses
• Self-directed learning
• Simulation lab. and student centered earning activities
• Field visits
Resources
Lecture notes
Text books
Trusted websites
E-learning materials

E-Learning at ASU Faculty of Medicine

E-Learning refers to all organized learning activities under the influence of an educational organization that are carried out with the help of Information and Communications Technology (ICT)

Why E-learning at ASU Faculty of Medicine

• Consistent
  – Central control of content
  – Same quality of content, education for all
• Cost-Effective
• Virtual learning environment
  – Share lessons among Universities
  – Reduce material cost
• Convenient
  – Self-service
  – On-demand (anytime, anywhere)
• Media-rich
  – Easier to understand & more engaging
• Repeatable
  – As many times as you like
• Easier to monitor progress
  – Less administrative work
  – Can be more precise

Approach

Blended Learning is our approach for e-learning. It is an approach to course design that meaningfully brings together the best of both face-to-face & online learning. It is not intended to replace either of these individual approaches, rather to build from each to create a new, more effective learning experience for students.

Learning Management System (LMS)

Moodle is the Learning Management System (LMS) used at Faculty of medicine, ASU. It allows teachers and administrators to track attendance, time on task, and student progress. It also allows students to access the course syllabus and lessons, submit homework and track grades. You can find it at:

http://telemed.shams.edu.eg

Internet Access

You can access your online courses through:
Faculty library computers

Faculty Wi Fi

Home network

Technical Support

To obtain technical help with the course site and/or course site server, you have to contact the Technical Help Desk either through e-mail (e-learning@med.asu.edu.eg) or directly at the e-learning unit.

If you face any difficulties in understanding, you can ask your professors in their office hours
Student responsibilities (students’ legal standings)

- **Attendance**
  
  Dear students: You have to attend your lectures, tutorials, practical and clinical sessions. You must attend at least 75% of the practical and clinical session to be legible to enter end-year exams.

- **Respect your professors and colleagues.**
  
  You have to co-operate with your colleagues in the small group learning activities.

- **Respect privacy and dignity of the patients.**
  
  You must the patient consent before talking to him or examining him. Don’t take mobile photos of the patient and disseminate them through social media.

- **Don’t break the law** (violence, smoking, misuse of alcohol and drugs)

Courses provided: (see Ain-Shams curriculum map)

During the **Preclinical Phase** (first 3 years), you will have the following courses: anatomy, histology, physiology, biochemistry, psychology, pathology, pharmacology, microbiology and parasitology.

During the **Clinical Phase** (second 3 years), you will have the following courses: forensic and toxicology, community, ophthalmology, ENT, internal medicine, general surgery, pediatrics and obstetrics and gynecology courses.
Student Assessment Overview

There will be several formative exams along the different courses that will help students to assess themselves.

Summative exams will be as follows:

**Regarding the first 3 preclinical years**

30% continuous assessment including block exams, integrated case studies, research work, log book activities and pop-up exams.

30% practical assessment during and at the end of the courses

40% end year written exam (note that the student has to get at least 50% in the end year written exam to pass)

Student has to get 60% of the total mark of each course to pass provided that he got at least 50% of the end year written exam.
### Course Marks Pass

<table>
<thead>
<tr>
<th>Course</th>
<th>Marks</th>
<th>Pass mark</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First year courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anatomy and embryology</td>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>Physiology</td>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>Biochemistry and molecular biology</td>
<td>150</td>
<td>90</td>
</tr>
<tr>
<td>Histology and cell biology</td>
<td>150</td>
<td>90</td>
</tr>
<tr>
<td>Anatomy and embryology</td>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>Physiology</td>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>Second year courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biochemistry and molecular biology</td>
<td>150</td>
<td>90</td>
</tr>
<tr>
<td>Histology and cell biology</td>
<td>150</td>
<td>90</td>
</tr>
<tr>
<td>Social sciences (psychiatry)</td>
<td>150</td>
<td>30</td>
</tr>
<tr>
<td>Research method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third year courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pathology</td>
<td>300</td>
<td>180</td>
</tr>
<tr>
<td>Clinical pharmacology</td>
<td>300</td>
<td>180</td>
</tr>
<tr>
<td>Microbiology and Immunology</td>
<td>200</td>
<td>120</td>
</tr>
<tr>
<td>Parasitology</td>
<td>150</td>
<td>90</td>
</tr>
<tr>
<td>Scientific research (2)</td>
<td>30</td>
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</tr>
</tbody>
</table>

20 % continuous assessment including attendance, quizzes, OSCE, research work, logbook activities

40% clinical assessments during and at the end of the course

35% end year written exam including MCQ, short essay, cases

5% oral exam
### Course Marks

<table>
<thead>
<tr>
<th>Course</th>
<th>Marks</th>
<th>Pass mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ophthalmology</td>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>ENT</td>
<td>200</td>
<td>120</td>
</tr>
<tr>
<td>Forensic medicine and clinical toxicology</td>
<td>200</td>
<td>120</td>
</tr>
<tr>
<td>Community, environmental and occupational medicine</td>
<td>240</td>
<td>180*</td>
</tr>
<tr>
<td>Internal medicine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gynecology and Obstetrics</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>500</td>
<td>300</td>
</tr>
<tr>
<td>Internal medicine</td>
<td></td>
<td></td>
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<tr>
<td>General surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal medicine</td>
<td>900</td>
<td>450</td>
</tr>
<tr>
<td>General surgery</td>
<td>900</td>
<td>450</td>
</tr>
<tr>
<td>Emergency medicine</td>
<td></td>
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</tbody>
</table>

*Regarding the Community, Environmental and Occupational Medicine department, the course was distributed over 3 years: second year (30 marks), third year (30 marks) and fourth year (240 marks). The exam will be as follow:-

30% continuous assessment

30% practical assessment

40% end year written exam

Note. You have to take one **elective course** during the first 3 preclinical years and another elective course during the 3 clinical years.

In addition to the main and elective courses, you have the pass the university requirements which are: English lan
Health Protection

You must follow certain instruction to protect yourself from transferable disease

- Wear gloves
- Hand washing
- Vaccination against hepatitis B
- Avoid droplet exposure

On behalf of Medical Ain Shams Research Institute (MASRI), the viral hepatitis center would be delighted to receive all of the new medical students as well as the new students of the remaining colleges of the university to be screened for hepatitis C virus. Our aim is to achieve a college free as well as a University free from Hepatitis C virus. New medical students who would test positive would have the investigations and treatment free of charge. We need the help of new students to spread the information that treatment is available and for free for their neighbors and friends. Please do not hesitate to visit viral hepatitis research center to be screened. We will be happy to give you further information for prevention of hepatitis C virus to play your part in your community.

What to do if you have a problem?

Report to the course co-ordinator, director of educational enhancement unit, or director of the quality assurance unit.

If you have any inquiry about administration, you can contact student affair office. You can phone 0226738345 extension or email 170.
The Extended Modular Program “EMP” is an innovative credit hour program provided by Ain Shams Medical School. Students who prefer interactive learning, small group sessions, team based learning, continuous assessment, and are willing to take increasing responsibilities towards their learning are invited to explore this program.

The EMP is unique in adopting a truly integrated program, based on body systems modules, where all the basic science content related to a specific body system is introduced in a logical sequence. In phase I for example, you will study in the cardiovascular module the structure of the heart and vessels (Anatomy), the micro structure of the heart muscle and vessels (Histology), this will help you to understand how the cardiovascular system functions to maintain adequate perfusion to all body organs (Physiology). Followed by studying diseases that affects the cardiovascular system (Pathology), and how drugs affecting the heart and vessels are used to treat different related diseases (Pharmacology). This integrated curriculum is similar to state of the art curricula used in international medical schools.

Another unique feature of the “EMP” is the structured early clinical exposure. A professional development thread starts from year one, where you will be exposed to clinical skills related to the body system you are studying. For example, in year two, while studying the cardiovascular module, you will learn how to talk to and ask a patient complaining of a rapid heart rate and how to examine his pulse and heart and interpret an ECG. This early clinical exposure puts all the basic science knowledge studies into a clinical context, and is the real foundation for revisiting clinical disciplines in the clerkship years.

Phase II of the program (Clerkship Phase) aims to introduce you to different medical and surgical specialties in a logically arranged clinical rotations. Learning activities are based mainly on small groups with revisiting clinical subjects in more depth, considering a “patient's presentation oriented” approach. This phase uses an
integrated student’s activity log book. Phase II ends by a longitudinally integrated semester shadowing what you will be responsible to do in your following clinical training year.

“EMP” considers your holistic development to graduate as an effective and efficient member of the “Health Care Provider Team”. This is reflected in a well-structured personal development course that extends throughout the program years. This course adopts the concept of “learning by doing” and will introduce you to the studying skills, thinking skills, group dynamics, presentation skills, how to conduct research, basic life support & 1st aid management and a lot more.

For ambitious students, “EMP” provides optional courses in health professional education, health care management and health care quality assurance. These are blended summer courses that combines interactive face-to-face with e-learning facilities.

“EMP” will accept 120 students in the academic year 2016/2017. You can apply to join “EMP” if you are accepted in Ain Shams Medical School. “EMP” offers scholarships for students with academic achievements starting from year 2. Limited scholarships for “Thanaweya Amaa” high achievers are offered in the name of the faculty dean.

If you are interested to know more about “EMP” please visit http://emp.asu.edu.eg