

Faculty of

Medicine

Faculty of Medicine

History

The faculty of medicine at Beirut Arab University had been established in the year 1995 with 35 students. The students intake has progressively increased since then reaching 100 students in the academic year 2009 / 2010 with a total of 398 undergraduate students. The total number of graduates from the year 1995 to the year 2010 is ought to exceed 310 students.

In 2005, the first Master Degrees in "Ophthalmology" and "Plastic and Reconstructive Surgery" were awarded by the Faculty. And in the year 2009 the first Doctorate Degree in Ophthalmology was awarded.

In 1998, a collaborative agreement between Beirut Arab University and four hospitals namely Hammoud Hospital University Medical Center, Makassed General Hospital, Sahel General Hospital, as well as Dar El Ajaza Al Islamia Hospital was established. This agreement provided our students with venues for undergraduate clinical clerkships as well as postgraduate clinical training programs. In 2007 the Rafik Hariri University Hospital became the 5th hospital to join this collaboration. The latest collaboration was signed in 2009 with Al Zahraa University Hospital expanding the choices of postgraduate residency programs.

The faculty adopted the traditional discipline based six years program, in the beginning on a scholar - year basis till 2005 and afterwards the same curriculum was adopted to comply with the credit system. The credit hours system offered flexibility and simplicity in course selection and schedules.

With the rapid and fundamental changes the medical education field is undergoing worldwide at all levels, a new undergraduate integrated curriculum based on outcomes and competencies became a must.

The development of this new curriculum started on April 2009 following the first Faculty Conference on Medical Education.

Special thanks and appreciation to professor doctor Hossam Hamdi, vice chancellor for Medical & health Sciences Colleges University of Sharjah, who visited the BAU faculty of medicine on December 2009 and performed a number of workshops with the medical students and staff members to foster the development of a new curriculum and has been providing us with unlimited support since then.

Vision

Provide Innovation and Excellency in medical education and research that respond to community needs and conforms to international standards in the 21st century.

Mission

To provide the community with highly qualified, competent and ethical physicians who can effectively and efficiently cope with the rapid changes in the medical practice and research, and to provide our students with up - to - date core knowledge and skills required for safe practice of medicine and ability to pursue postgraduate studies and continuing professional development.

Faculty Departments

Basic Medical Sciences Department which Includes:

Anatomy, histology, physiology, medical biochemistry, pathology, microbiology and virology, medical parasitology, and clinical pharmacology.

Clinical Medical Sciences Department which Includes:

Surgery and surgical subspecialties, internal medicine and medical subspecialties, paediatric medicine, obstetrics and gynaecology, and community medicine.

Program Description

The Bachelor Degree in Medicine and Surgery (MBBCh) requires a total of 204 Credit hours taken as follows:

- Mandatory Courses - 190 Cr.
- General University Requirements - 14 Cr. (7 Cr. Mandatory and 7 Cr. SSC*)

The standard duration of the medical curriculum is six years delivered in 12 semesters. The curriculum is designed to be delivered in three phases followed by one year of internship.

Phase I: Pre clerkship phase (semesters 1 to 6) which includes nine modules. Each module in this phase integrates important concepts in basic medical sciences with each other and with some clinical problems through problem based learning.

Phase II: Clerkship phase (semesters 7 to 10) which includes clinical rotations in pediatrics, obstetrics and gynecology, medicine and medical subspecialties, surgery and surgical subspecialties, family and emergency medicine. The medical program in this phase focuses upon learning in the clinical environments.

Phase III: Pre internship phase (semesters 11 and 12) which includes clinical rotation in major medical branches together with a clinical elective course. In this phase, the students function as sub - interns and they are responsible for their own patients under supervision.

Assessment Strategy

General Guidelines

- Continuous assessment will take place at the end of each module.
- Comprehensive (First Session Exams) checking the acquisition of intended learning outcomes will take place at the end of sixth semester (Integrated Clerkship Entry Exam) and the end of the twelfth semester (Final MBBCh Exam).
- A second session exam for those who have to repeat the first session will be held regularly on the 1st week of the next fall semester.
- The student has the right to enter the second session for two times.
- The student is not permitted to enter these comprehensive exams unless his CGPA is more than 2.
- Assessment of knowledge will be based on MCQs, extended matching questions, Short Answer Questions (SAQ) and Modified Essay Questions (MEQ).
- Assessment of skills level, will be assessed using Objective Structured Practical and Clinical Examinations ('OSPE' and 'OSCE').
- Portfolios, log books and supervisors' evaluation of student performance will be used in assessing student's population / community based activities and performance in the clerkship.

* SSC: Self Student Component (Elective).

Assessment in Phase I (Pre - clerkship phase)

- Assessment in this phase is integrated following each module.
- Results are presented as course GPA and cumulative GPAs.

Assessment in Phase II & III (Clerkship & Pre - Internship Phases)

- In these phases, there will be a clerkship rotations assessment.
- Clerkship performance evaluation will be based on: Attendance, active participation in the clerkship activities, portfolios, and end of clerkship examinations.

Curriculum Map

Phase I (Pre Clerkship Phase)

First Semester	14 weeks	Cr.
Fabrics of Life	6 weeks	5
Concepts of Health & Disease	8 weeks	7
SSC 1 & 2 *		4
		16

Second Semester	14 weeks	Cr.
Musculoskeletal & Neuroscience I	14 weeks	12
SSC 3 & 4 *		4
		16

* SSC: Self Student Component (Elective).

Third Semester	14 weeks	Cr.
CVS, Respiratory & Hematology	14 weeks	12
SSC 5 & 6 *		4
		16
Fourth Semester	14 weeks	Cr.
GIT & Nutrition	7 weeks	7
Renal, Endocrines & Reproduction	7 weeks	7
SSC 7 *		2
* SSC: Self Student Component (Elective).		16
Fifth Semester	14 weeks	Cr.
Neuroscience II	7 weeks	8
Infections	7 weeks	8
		16
Sixth Semester	14 weeks	Cr.
Multisystem Hospital Based Integrated		
Medicine I	7 weeks	8
Surgery I	7 weeks	8
		16

Integrated Clerkship Entry Exam

Phase II (Clerkship Phase)

Seventh Semester	20 weeks	Cr.
Unit 1: Obstetrics & Gynecology I	10 weeks	9
Surgery II	10 weeks	9

OR

Unit 2: Pediatrics I	10 weeks	9
Medicine II	10 weeks	9

| 18

Eighth Semester	20 weeks	Cr.
Unit 1: Obstetrics & Gynecology I	10 weeks	9
Surgery II	10 weeks	9

OR

Unit 2: Pediatrics I	10 weeks	9
Medicine II	10 weeks	9

| 18

Ninth Semester	18 weeks	Cr.
Medicine III - Subspecialties: Cardiology	3 weeks	3
Neuropsychiatric I	3 weeks	3

Emergency Medicine & Anesthesia	3 weeks	3
--	---------	---

Family Medicine	3 weeks	3
------------------------	---------	---

Surgery III - Subspecialties: Ophthalmology	3 weeks	3
Orthopedic Surgery	3 weeks	3

| 18

Tenth Semester	20 weeks in Alexandria	Cr.
Rotation 1 - (5 W): Neuropsychiatric II	2 weeks	2
Dermatology	2 weeks	2
Radiology I	1 weeks	1
Rotation 2 - (5 W): Urology	2 weeks	2
Otolaryngology	2 weeks	2
Radiology II	1 weeks	1
Rotation 3 - (5 W): Pediatrics II	2.5 weeks	2
Medicine IV	2.5 weeks	2
Rotation 4 - (5 W): Obstetrics & Gynecology II	2.5 weeks	2
Surgery IV	2.5 weeks	2
		18

Phase III (Pre Internship Phase)

Eleventh Semester	20 weeks	Cr.
Medical Clerkship Rotation: Medicine V	10 weeks	9
Medicine VI - Subspecialties	10 weeks	9
OR		
Surgical Clerkship Rotation: Surgery V	10 weeks	9
Surgery VI - Subspecialties	10 weeks	9
		18

Twelfth Semester	20 weeks	Cr.
Medical Clerkship Rotation: Medicine V	10 weeks	9
Medicine VI - Subspecialties	10 weeks	9
OR		
Surgical Clerkship Rotation: Surgery V	10 weeks	9
Surgery VI - Subspecialties	10 weeks	9
Final MBCh Exam		18

Bachelor of Medicine & Surgery (204 Cr. Hr.)

Phase I (Pre Clerkship Phase)

First Semester			Weeks	Cr.
FABL	101	Fabrics of Life	6	5
COHD	103	Concepts of Health & Disease	8	7
SSC*				2
SSC*				2
			14	16

Second Semester			Weeks	Cr.
MUNE	102	Musculoskeletal & Neuroscience I	14	12
SSC*				2
SSC*				2
			14	16

Third Semester			Weeks	Cr.
CVRH	201	C.V.S, Respiratory & Haematology	14	12
SSC*				2
SSC*				2
			14	16

Fourth Semester			Weeks	Cr.
GITN	202	GIT & Nutrition	7	7
REN R	204	Renal, Endocrines & Reproduction	7	7
SSC*				2
			14	16

* SSC: Self Student Component (Elective).

Fifth Semester			Weeks	Cr.
NESC	301	Neurosciences II	7	8
INFE	303	Infections	7	8
			14	16

Sixth Semester Multisystem Integrated Hospital Based

			Weeks	Cr.
INTM	302	Medicine I	7	8
SURG	304	Surgery I	7	8
			14	16

These modules are pre - requisites for the next semesters.

Phase II (Clerkship Phase)

Seventh Semester

Unit I:			Weeks	Cr.
OBGY	401	Obstetrics & Gynecology I	10	9
SURG	402	Surgery II	10	9
			20	18

OR

Unit II:			Weeks	Cr.
PEDT	403	Pediatrics I	10	9
INTM	404	Medicine II	10	9
			20	18

Students will be divided into 2 groups, each group to register in one unit only per semester.

Eighth Semester			Weeks	Cr.
Unit I:				
OBGY	401	Obstetrics & Gynecology I	10	9
SURG	402	Surgery II	10	9
			20	18

OR

Unit II:			Weeks	Cr.
PEDT	403	Pediatrics I	10	9
INTM	404	Medicine II	10	9
			20	18

Students will be divided into 2 groups, each group to register in one unit only per semester.

Ninth Semester (Beirut)			Weeks	Cr.
Medicine III (Subspecialties)				
NEPS	501	Neuropsychiatric I	3	3
CARD	503	Cardiology	3	3
Surgery III (Subspecialties)				
OPHT	505	Ophthalmology	3	3
ORTH	507	Orthopedic	3	3
FMED	509	Family Medicine	3	3
EMAN	511	Emergency Medicine & Anesthesia	3	3
			18	18

Tenth Semester (Alex)			Weeks	Cr.
Rotation I (5 weeks)				
NEPS	502	Neuropsychiatric II	2	2
DERM	504	Dermatology	2	2
RADI	506	Radiology I	1	1
Rotation II (5 weeks)				
UROL	508	Urology	2	2
ORLG	510	Otolaryngology	2	2
RADI	512	Radiology II	1	1
Rotation III (5 weeks)				
PEDT	514	Pediatrics II	2.5	2
INTM	516	Medicine IV	2.5	2
Rotation IV (5 weeks)				
OBGY	518	Obstetrics & Gynecology II	2.5	2
SURG	520	Surgery IV	2.5	2
			20	18

Phase III (Pre Internship Phase)

Eleventh Semester Medical Clerkship Rotation:

			Weeks	Cr.
INTM	603	Medicine V	10	9
INTM	604	Medicine VI (Subspecialties)	10	9
			20	18

OR

Surgical Clerkship Rotation:

			Weeks	Cr.
SURG	601	Surgery V	10	9
SURG	602	Surgery VI (Subspecialties)	10	9
			20	18

Students will be divided into 2 groups, each group to register in one rotation only per semester.

**Twelfth Semester
Medical Clerkship Rotation:**

			Weeks	Cr.
INTM	603	Medicine V	10	9
INTM	604	Medicine VI (Subspecialties)	10	9
			20	18

OR

Surgical Clerkship Rotation:

			Weeks	Cr.
SURG	601	Surgery V	10	9
SURG	602	Surgery VI (Subspecialties)	10	9
			20	18

Students will be divided into 2 groups, each group to register in one rotation only per semester.

Description of Modules

Phase I - Year One

FABL 101 - Fabrics of Life (5 Cr.)

This 6 weeks module introduces students to:

- Theme 1: Orientation course on faculty Mission and Vision, the integrated curriculum, program ILO's, learning strategy and assessment strategy as well as the role of students in program and course evaluation.
- Theme 2: Role of practitioner in society, scope and history of community medicine, as well as an overview of health care system in Lebanon.
- Theme 3: Genomic and molecular basis of medicine, microanatomy and development. The disciplines contributing to the course include Histology, Physiology, Biochemistry and Anatomy. The course involves Lectures, Practical sessions and Students Self Learning (SSL).
- Theme 4: An introduction to communicative and medical interviewing, history taking skills and basic ethical concepts.

COHD 103 - Concepts of Health & Disease (7 Cr.)

This 8 weeks module introduces students to:

- Theme 1: Orientation course on communications through the University's Electronic Portal: Overview of the academic and the proper use of information technology. The students will be also introduced to the socio - economic context of health and illness.
- Theme 2: Concepts of health, factors affecting wellbeing, epidemiologic aspects of disease and the types of variables.
- Theme 3: Concepts related to how we protect ourselves, body reaction to external risk factors, the internal milieu and homeostasis. The disciplines contributing to the course include Physiology, Anatomy, Biochemistry, Microbiology, Histology, Pathology and Pharmacology. The course involves Lectures, Practical sessions and Students Self Learning (SSL).
- Theme 4: An introduction to communicative and medical interviewing, history taking skills and basic ethical concepts.

MUNE 102 - Musculoskeletal System & Neuroscience I (12 Cr.)

This 14 weeks module introduces students to:

- Theme 1: General communication skills: Active listening, speaking strategies, dialogue strategies etc...
- Theme 2: Biostatistics including types of variables, data collection and data presentation.
- Theme 3: Human structures and functions of the musculoskeletal system, medical imaging of normal specimen and applied anatomy in addition to the study of the peripheral and autonomic nervous system. The disciplines contributing to the course include Anatomy, Histology, Physiology and Pharmacology. The course involves Lectures, Practical sessions and Students Self Learning (SSL).
- Theme 4: Clinical skill lab training emphasizing on surface anatomy and vital signs recording. Also, students will learn how to conduct a medical interview.

Phase I - Year Two

CVRH 201 - Cardiovascular, Respiratory Systems & Hematology (12 Cr.)

This 14 weeks module introduces students to:

- Theme 1: How to plan strategy for balancing personal and professional demands, effective time management and prioritization of tasks. The students also become aware about professional rights and responsibilities.
- Theme 2: Demographic aspects in relation to disease process including: Population pyramids, rates of population growth and population dynamics.
- Theme 3: Study of the cardiovascular, respiratory, and hematopoietic systems, from normal structure and function to pathology of common diseases and their relation to clinical presentations and management. The disciplines contributing to the course include Anatomy, Histology, Physiology, Biochemistry, Pathology and Pharmacology. The course involves lectures, practical sessions and Students Self Learning (SSL).
- Theme 4: Clinical skills that assists the student to develop the ability of focused history taking based on common diseases related to these systems.

GITN 202 - Gastro Intestinal Tract & Nutrition (7 Cr.)

This 7 weeks module introduces students to:

- Theme 1: Behavioral aspect of clinical practice mandatory for medical students like working in group, group support, working with multi - professional teams, etc...
- Theme 2: Environmental health problems and its impact on psychosocial and physical environments taking in consideration the threats of health - care waste.
- Theme 3: Study of the gastrointestinal and hepatobiliary tracts, from normal structure and function to pathology of common diseases and their relation to clinical presentations and management. The disciplines contributing to the course include anatomy, histology, physiology, pathology, and pharmacology. The course involves lectures, practical sessions and Students Self Learning (SSL).
- Theme 4: Clinical skills that assists the student to develop the ability of focused history taking based on common diseases related to these systems.

REN204 - Renal, Endocrines & Reproductive Systems (7 Cr.)

This 7 weeks module introduces students to:

- Theme 1: The science of mind - body medicine, the health sector's relevance to the practice of medicine, and health enhancement plans.
- Theme 2: Descriptive and analytical epidemiologic studies together with the concepts of health promotion and health education plan.
- Theme 3: Study of the renal, endocrinal and reproductive systems, from normal structure and function to pathology of common diseases and their relation to clinical presentations and management. The disciplines contributing to the course include anatomy, histology, physiology, pathology, and pharmacology. The course involves lectures, practical sessions and Students Self Learning (SSL).
- Theme 4: Clinical skills that assists the student to develop the ability of focused history taking based on common diseases related to these systems. In addition, the students learn about anthropometric measures in skill lab.

Phase I - Year Three

NESC 301 - Neuroscience II (8 Cr.)

This 7 weeks module introduces students to:

- Theme 1: Principles of medical ethics with special emphasis on patient - doctor relationship. The students learn the different legal aspects of medical practice.
- Theme 2: How to perform a surveillance and its components from data collection to data dissemination.
- Theme 3: Fundamentals of the central nervous system, from normal structure and function to pathology of common diseases and their relation to clinical presentations and management. The disciplines contributing to the course include anatomy, histology, physiology, pathology, and pharmacology. The course involves lectures, practical sessions and Students Self Learning (SSL).
- Theme 4: Clinical skills that assists the student to develop the ability of focused history taking based on common diseases related to these systems.

INFE 303 - Infections (8Cr.)

This 7 weeks module introduces students to:

- Theme 1: Confidentiality and its importance in all aspects of medical practice with special consideration to certain circumstances in which disclosure and truth telling are needed.
- Theme 2: The cycle of infection, with general principles of prevention, control, elimination and eradication of communicable diseases.
- Theme 3: Microbiology studies of bacteria, viruses and other medically important microbes, hospital acquired infections, human parasitology that includes different parasitic protozoa, helminthes and arthropods of medical importance. The students have an opportunity to study different anti microbial agents and their appropriate clinical use. In addition students learn physiological mechanism of fever and temperature regulation. The disciplines contributing to the course include microbiology, parasitology, physiology and pharmacology. The course involves lectures, practical sessions and Students Self Learning (SSL).
- Theme 4: Clinical skills that assists the student to develop the ability of focused history taking based on common febrile disorders.

Multisystem Integrated Medicine I & Surgery I

INTM 302 - Medicine I (8 Cr.)

SURG 304 - Surgery I (8 Cr.)

This 14 weeks module introduces students to:

- Theme 1: Ethical approaches to different cultures, beliefs, and values. Ethical decision making in beginning and end of life.
- Theme 2: The acquisition of important skills in environmental and occupational medicine. Perform disease screening and practice limited community based projects.
- Theme 3: The students have the facilities and learning opportunities to apply knowledge learnt in previous semesters to the understanding of common and important illnesses, conditions and disorders through multi - systems written problems which cover important concepts, in addition to the patho - physiology and pharmacology in Medicine and Surgery. The disciplines contributing to the course include Internal Medicine, General Surgery, Pathology and Clinical pharmacology. The course involves case study, group discussion and Students Self Learning (SSL).
- Theme 4: By the end of this semester, students must be capable of undertaking history and performing clinical examinations of patients with straightforward conditions, and have an understanding of the relevant investigations and general management plans.

Phase II - Year Four

INTM 404 - Medicine II (9 Cr.)

This 10 weeks module introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.

- Theme 3: The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in general medicine. The disciplines contributing to the course include Internal Medicine, Clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures. Prereq.: FABL 101 Fabrics of life, COHD 103 Concepts of health and disease, MUNE 102 Musculoskeletal, CVRH 201 CVS, Respiratory and Hematology, GITN 202 GIT & Nutrition, RENR 204 Renal, Endocrines and Reproduction, NESC 301 Neuroscience II, INFE 303 Infections, INTM 302 Medicine I, SURG 304 Surgery I.

PEDT 403 - Pediatrics I (9 Cr.)

This 10 weeks module introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Under - five health services, school health programmes and children with special health care needs.
- Theme 3: The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in normal child growth and development, preventive child health and the study of diseases in children. The disciplines contributing to the course include Pediatric Medicine, Clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures. Prereq.: FABL 101 Fabrics of life, COHD 103 Concepts of health and disease, MUNE 102 Musculoskeletal, CVRH 201 CVS, Respiratory and Hematology, GITN 202 GIT & Nutrition, RENR 204 Renal, Endocrines and Reproduction, NESC 301 Neuroscience II, INFE 303 Infections, INTM 302 Medicine I, SURG 304 Surgery I.

SURG 402 - SURGERY II (9 Cr.)

This 10 weeks module introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in general surgery. The disciplines contributing to the course include general surgery and clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to

competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures. Prereq.: FABL 101 Fabrics of life, COHD 103 Concepts of health and disease, MUNE 102 Musculoskeletal, CVRH 201 CVS, Respiratory and Hematology, GITN 202 GIT & Nutrition, RENR204 Renal, Endocrines and Reproduction, NESC 301 Neuroscience II, INFE 303 Infections, INTM 302 Medicine I, SURG 304 Surgery I.

OBGY 401 - Obstetrics & Gynecology I (9 Cr.)

This 10 weeks module introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Close awareness of women's Care Programs, reproductive health care and different methods of family planning.
- Theme 3: The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in Obstetrics & Gynecology. The disciplines contributing to the course include Obstetrics & Gynecology, Clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures. Prereq.: FABL 101 Fabrics of life, COHD 103 Concepts of health and disease, MUNE 102 Musculoskeletal, CVRH 201 CVS, Respiratory and Hematology, GITN 202 GIT & Nutrition, RENR 204 Renal, Endocrines and Reproduction, NESC 301 Neuroscience II, INFE 303 Infections, INTM 302 Medicine I, SURG 304 Surgery I.

Phase II - Year Five

Medicine III (Subspecialties)

NEPS 501 - Neuropsychiatric I (3 Cr.)

CARD 503 - Cardiology (3 Cr.)

This 6 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in the mentioned subspecialties. The disciplines contributing to the course include Cardiology and Neuro - psychiatry, Clinical pharmacology, and re - visits from Basic Sciences Disciplines . The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL). The corresponding faculty members and clinical staff members. The course involves clinical rounds, lectures, case study, group discussion and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to

competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

Surgery III (Subspecialties)

OPHT 505 - Ophthalmology (3 Cr.)

ORTH 507 - Orthopedic (3 Cr.)

This 6 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in the mentioned subspecialties. The disciplines contributing to the course include Ophthalmology, Orthopedic Surgery, Clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

FMED 509 - Family Medicine (3 Cr.)

This 3 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: Different medical situations accoutered in their practice as family doctors. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

EMAN 511 - Emergency Medicine & Anesthesia (3 Cr.)

This 3 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: Different medical emergency situations accoutered in their practice and basics of anesthesia. The course involves clinical rounds, lectures, case study, group discussions, emergency training and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

Rotation 1

NEPS 502 - Neuropsychiatric II (2 Cr.)

DERM 504 - Dermatology (2 Cr.)

RADI 506 - Radiology I (1 Cr.)

This 5 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: Clinical learning and clerkship in Alexandria University Hospital. The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in Neurology - Psychiatry, Dermatology, Radiology. The disciplines contributing to the course include Neurology - Psychiatry, Dermatology, Radiology, Clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

Rotation 2

UROL 508 - Urology (2 Cr.)

ORLG 510 - Otolaryngology (2 Cr.)

RADI 512 - Radiology II (1 Cr.)

This 5 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: Clinical learning and clerkship in Alexandria University Hospital. The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in Urology, Otolaryngology, Radiology. The disciplines contributing to the course include Urology, Otolaryngology, Radiology, Clinical pharmacology, and re - visits from Basic Sciences Disciplines . The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

Rotation 3

PEDT 514 - Pediatrics II (2 Cr.)

INTM 516 - Medicine IV (2 Cr.)

This 5 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: Clinical learning and clerkship in Alexandria University Hospital. The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in Medicine (IV) and Pediatrics (II). The disciplines contributing to the course include General Medicine, Pediatrics, Clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

Rotation 4

OBGY 518 - OBSTETRICS & GYNECOLOGY II (2 Cr.)

SURG 520 - SURGERY IV (2 Cr.)

This 5 weeks modules introduces students to:

- Theme 1: Proper awareness of legal issues relevant to medical profession. This is achieved through study of a variety of medico - legal problems.
- Theme 2: Apply and integrate principles of evidence based medicine to clinical decision making and to access information via technology.
- Theme 3: Clinical learning and clerkship in Alexandria University Hospital. The students have the facilities and learning opportunities to apply knowledge learnt in phase I to the understanding of common and important illnesses, conditions and disorders, in addition to patho - physiology and pharmacology in Surgery (IV) and Obstetrics & Gynecology (II). The disciplines contributing to the course include General Surgery, Obstetrics & Gynecology, Clinical pharmacology, and re - visits from Basic Sciences Disciplines. The course involves clinical rounds, lectures, case study, group discussions and Students Self Learning (SSL).
- Theme 4: Clinical experience in taking focused history and examination skills at a good standard, the ability to competently diagnose and appropriately manage cases and the ability to perform relevant clinical procedures.

Phase III - Year Six

INTM 603 - MEDICINE V (9 Cr.)

This 10 weeks modules introduces students to their own responsibility for self learning. The program provides them with different opportunities to encounter patients in different clinical settings. They function as sub - interns responsible under supervision for their patients. Students are attached to a range of clinical settings allowing them to work continuously in the clinical environment and to consolidate their basic and clinical science knowledge. Faculty members and clinical staff members are the main contributors in this course. The course involves clinical rounds, lectures, case study, group discussions and different scientific activities in addition to Students Self Learning (SSL).

SURG 601 - Surgery V (9 Cr.)

This 10 weeks modules introduces students to their own responsibility for self learning. The program provides them with different opportunities to encounter patients in different clinical settings. They function as sub - interns responsible under supervision for their patients. Students are attached to a range of clinical settings allowing them to work continuously in the clinical environment and to consolidate their basic and clinical science knowledge. Faculty members and clinical staff members are the main contributors in this course. The course involves clinical rounds, lectures, case study, group discussions and different scientific activities in addition to Students Self Learning (SSL).

INTM 604 - Medicine VI (Subspecialties) (9 Cr.)

This 10 weeks modules introduces students to their own responsibility for self learning. The program provides them with different opportunities to encounter patients in different clinical settings. They function as sub - interns responsible under supervision for their patients. Students are attached to a range of clinical settings allowing them to work continuously in the clinical environment and to consolidate their basic and clinical science knowledge. Faculty members and clinical staff members are the main contributors in this course. The course involves clinical rounds, lectures, case study, group discussions and different scientific activities in addition to Students Self Learning (SSL).

SURG 602 - Surgery VI (Subspecialties) (9 Cr.)

This 10 weeks modules introduces students to their own responsibility for self learning. The program provides them with different opportunities to encounter patients in different clinical settings. They function as sub - interns responsible under supervision for their patients. Students are attached to a range of clinical settings allowing them to work continuously in the clinical environment and to consolidate their basic and clinical science knowledge. Faculty members and clinical staff members are the main contributors in this course. The course involves clinical rounds, lectures, case study, group discussions and different scientific activities in addition to Students Self Learning (SSL).