UNIVERSITY OF BAGHDAD
AL-KINDY COLLEGE OF MEDICINE

Medical Education Unit

UNDERGRADUATE SCIENTIFIC CURRICULUM

Six (Basic, Preclinical and Clinical) Years

INTEGRATED MODULE-BASE CURRICULUM

2021-2022

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UNIVERSITY OF BAGHDAD
AL-KINDY COLLEGE OF MEDICINE

UNDERGRADUATE SCIENTIFIC CURRICULUM FOR THE YEAR 2021-2022

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- **Preface**

The rapid development in medical science and knowledge alters the objective of teaching in medical school, not only to take information but gain the skills and attitudes for comprehensive approach and analysis. This needs every specialist in the area of health to cope with massive development in medical education toward addressing the health problems of the society and promoting health.

- **General Description**

This six year program leads to the award of the degrees Bachelor of Medicine and Bachelor of Surgery (MBChB). It is semester wise, 2 semesters (16 weeks for each) per academic year. The curriculum contributes to equipping medical students with the knowledge, skills and attitudes to provide comprehensive, collaborative, coordinated and continuing health care that encompasses primary health care. It emphases to teach the student the practice of medicine is a life-long process for a doctor and consequently learning is a continuous process as well. The curriculum is Integrated (rather than discipline based), Student centered (Rather than teacher centered), Community oriented (rather than hospital centered), Electives embodied (rather than standard program oriented), and Systematic (rather than apprentice based)

- **MBChB Program VISION**

To be the leading undergraduate medical program in Iraq, recognized for its ability to graduate competent and community responsive physicians.

- **MBCh Program MISSION**

To educate and motivate medical students to be life long and reflective learners, skillful and proficient physicians who will hold themselves to the highest professional standards in order to provide comprehensive medical care and conduct innovative scientific research.

- **Objectives of MBChB Program:**

On completion of the **six year** of MBChB program, the Medical Graduate should be able to:

a) Diagnose and manage common health problems of the individual and the community appropriate to his/her position as a member of the health team at primary, secondary and tertiary levels.
b) Develop competitive approach to practice preventive, promotive, curative and rehabilitative medicine in respect to the commonly encountered health problems.

c) Express the understanding of principles and practice of modern medicine with an in-depth knowledge of structure and functions of human body.
d) Practice Evidence Based Medicine, appreciating the rationale for different therapeutic modalities and be familiar with the administration of "essential drugs" and their common side effects.
e) Demonstrate an understanding of contemporary knowledge, skills and attitude in communication.
f) Possess behaviors of medical ethics with a compassionate and socially accountable human being.
g) Develop a health care team-approach and give respect to all the other members of the team.
h) Appreciate the psycho-social, cultural, economic, and environmental factors affecting health, and develop humane attitude towards the patients/relatives, in discharging one's professional responsibilities.
i) Be familiar with the various National Health Programs, and the ways in which they are being implemented.
j) Develop attitude for self-learning and acquire necessary skills including the use of appropriate technologies, for pursuing self-directed learning for a life time.

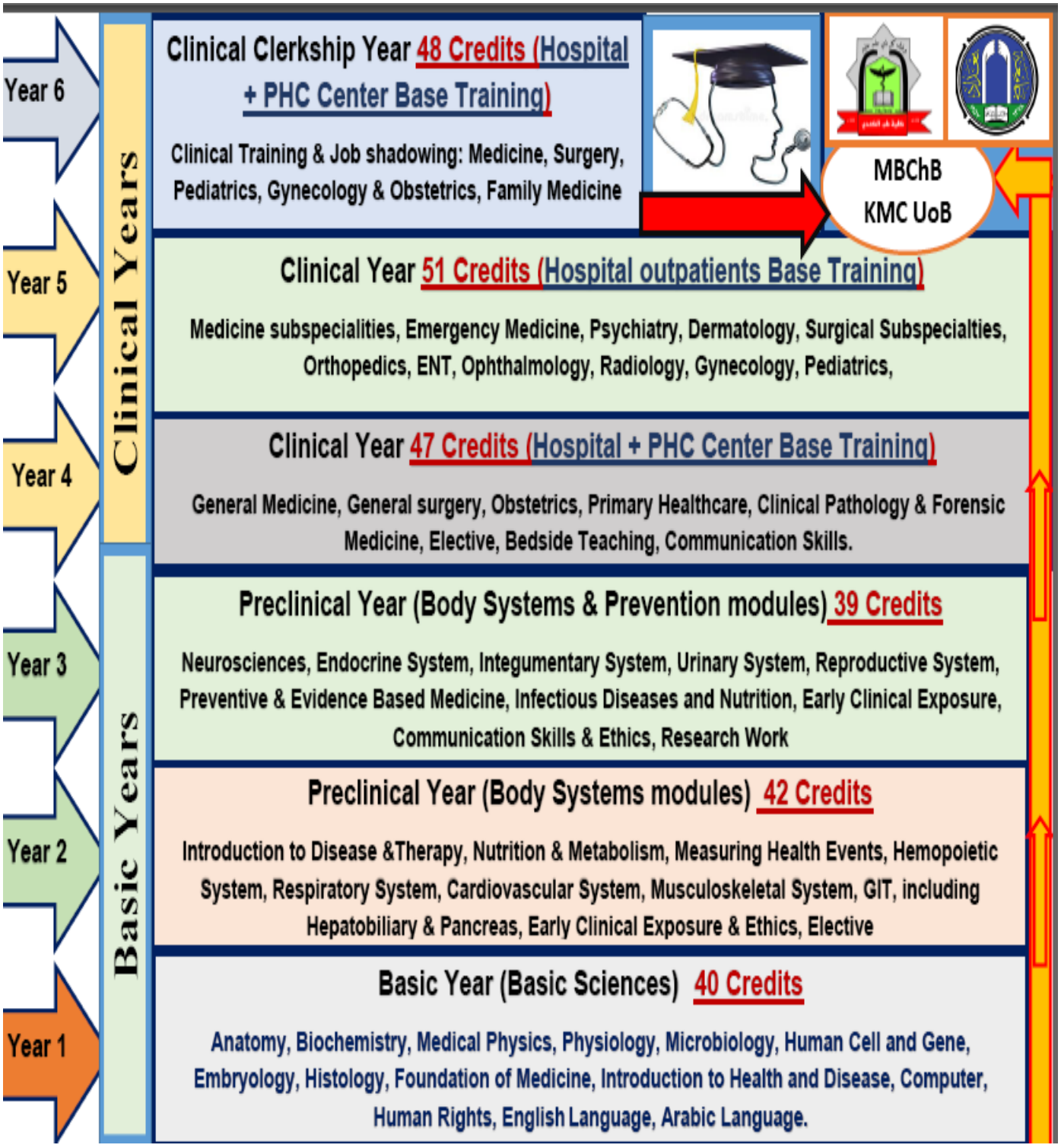
- **General Design**

The educational program is designed as an integrated structure and is divided into four stages:

- Basic Stage I (Years 1): Preparatory stage with personal development of basic sciences (recognize basic knowledge of medicine). The emphasis of Year 1 teaching is on the structure and function of the human body under 'normal' conditions.
- Preclinical Stage II (Year 2 and 3): Upgrading the student for medical thinking with system-oriented development (orientate system in clinical thinking), and introducing research in healthcare. The integrated 'Systems' teaching approach begins in Year 2 and is expanded in the subsequent years to enable students to understand abnormality and illness- related change and the interaction with the environment. Communication for Clinical Practice sessions in small groups with simulated patients prepare students for the clinical placements.
- Clinical Stage III (Year 4 and 5): Recognizing the common clinical conditions and community needs (aware of community health and disease). The students have an increasing focus on the application of skills learnt in the first three years of the programme into clinical practice, across a range of core and increasing complex clinical presentations and encounters.

➢ Clinical skills Stage VI (year 6): Development of professional behavior to overcome medical and surgical challenges and procedures. Students rotate through a variety of integrated hospital and community-based settings in order to complete placements. Students are expected to participate fully in clinical care in these settings, both through timetabled activities and additional opportunities (in agreement with supervising clinical staff).

- **Curriculum Map**



- **MBChB Program Structure**

I- Year 1 (Basic Sciences) Total Credits = 40

This is an interface between the high school teaching and the medical education. The two courses of this basic year introduce the students to a scientific foundation in Human Anatomy, Biology, human genetics, Biochemistry, Physiology, Microbiology, Physics relevant to medical sciences, introduction to health and disease and Information Technology.

The aim of the first year is to ensure that students have established a core basic sciences knowledge adequate for learning in the integrated system approach for the next years. Also, introduce the students to modern trends in medical education, problem-based learning, small groups learning and study skills encouraging deep and life-long learning.

The core courses to be studied in Basic Year are:

A- Semester (Course) I (15 weeks)

Subject	Hours			Credits
	Lecture	Discussion	Practical	
Human Anatomy	20	10	30	3
Medical Physics	20	10	30	3
Human Cell & Gene	20	10	30	3
Found of Medicine	15	15	0	2
Human Rights	30	0	0	2
Arabic	30	15	0	3
English	30	15	0	3
Sport	0	0	30	1
Total	165	75	120	20

B- Semester (Course) II (15 weeks)

Subject	Hours			Credits
	Lecture	Discussion	Practical	
Human Structure & Development	30	30	30	5
Biochemistry	20	10	30	3
Physiology	10	20	30	3
Microbiology and Immunity	20	10	30	3
Introduction to Health & Disease	30	0	0	2
Computer	15	15	30	3
Sport	0	0	30	1
Total	125	85	180	20

*** Each 15 lecture or discussion hours = 1 credit, * Each 30 practical hours = 1 credit**

- **Course Assessment**

1- Formative Assessment: The formative assessment is continuous as well as end-of-course assessment. It will not count towards pass/fail at the end of the course, but will provide feedback to the teachers and students.
2- Summative Assessment: Total score is 100%, students will have theory and practical examinations. The pass mark is 50% for the final mark.
3- The classification is elaborated in below table:

Total Mark 100% (Summative)					
Course Activity 30%				Final Exam 70%	
Daily Activity + Quizzes + Assignments		Practical Assessment + Quizzes	Midcourse Exam	Practical	Written
With Practical	5	10	15	20	50
No Practical	10	-	20	-	70
Midcourse exam is carried at week 8 in first course					

II- Year 2 (Preclinical) Total Credits = 42

The year two of study is designed to allow the student to acquire the knowledge of normal structure and function of the human body in system-based approach. This is important to make the students aware that this continually changing knowledge is the base of clinical practice, and will provide student opportunity to learn up to the level required to be a junior doctor.

In this year, student will start his\here early clinical exposure, personal and professional development, communication skills, and medical ethics, by practicing the early, but the important steps in clinical skill and professional behaviors. This will help in development of intellectual skills which can be transferred to later stages of medical education.

A- Semester (Course) I (16 weeks)

Modules	Hours			Credits
	Lecture	Discussion	Practical	
Introduction to Disease & Therapy	25	20	0	3
Metabolism	26	4	0	2
Measuring Health Events	21	24	0	3
Hemopoietic & Lymphatic	47	13	30	5
Musculoskeletal	32	28	0	4
Early Clinical Exposure & Ethics	5	10	30	2
Elective	0	0	30	1
Total	156	99	90	20

B- Semester (Course) II (16 weeks)

Modules	Hours			Credits
	Lecture	Discussion	Practical	
Cardiovascular	32	28	30	5
Respiratory	49	11	30	5
GIT, Liver, Biliary and Pancreas	62	28	30	7
Early Clinical Exposure & Ethics	5	10	30	2
English	28	2	0	2
Elective	0	0	30	1
Total	167	79	150	22

Year 2 Preclinical Curriculum Map

Semester (Course) I

Wk 1-7 (7 weeks)	Wk 8	Wk 9-15 (7 weeks)	Wk 16
Modules		Modules	
• Introduction to Disease & therapy • Metabolism • Measuring Health Events	End Module (Course) Exam	• Hemopoietic & Lymphatic • Musculoskeletal	End Module (Course) Exam
ECEE (Introduction) + Elective		ECEE (Hemopoietic and musculoskeletal focus) + Elective	

Semester (Course) II

Wk 1-8 (8 weeks)	Wk 9	Wk 10-15 (6 weeks)	Wk 16
Modules		Modules	
• Cardio-vascular • Respiratory • English	End Module (Course) Exam	• GIT + Liver + Biliary system & Pancreas • English	End Module (Course) Exam
ECEE (Cardio-respiratory Focus) + Elective		ECEE (GIT, Biliary, Pancreas Focus) + Elective	

Year 2 (Preclinical Year) Modules by Department 42 Credits

Musculoskeletal

Credits	Hours			Department
	Practical	Discussion	lecture	
0.5	0	4	4	Anatomy\GN
0.5	0	4	4	Anatomy\EH
0.5	0	4	4	Biochemistry
0.6	0	4	5	Physiology
0.6	0	4	5	Microbiology
0.6	0	4	5	Pathology
0.6	0	4	5	Pharmacology
4.0	0	28	32	Total

Hemopoietic & Lymphatic

Credits	Hours			Department
	Practical	Discussion	lecture	
0.4	2	2	3	Anatomy\GN
0.5	2	2	4	Anatomy\EH
0.5	2	2	5	Biochemistry
0.7	4	2	6	Physiology
1.3	10	2	12	Microbiology
1.0	6	3	9	Pathology
0.7	4	0	8	Pharmacology
5.0	30	13	47	Total

Respiratory

Credits	Hours			Department
	Practical	Discussion	lecture	
0.5	4	0	6	Anatomy\GN
0.5	4	2	4	Anatomy\EH
0.3	0	2	2	Biochemistry
1.0	4	2	11	Physiology
1.2	8	2	12	Microbiology
0.6	4	0	7	Pathology
0.9	6	3	7	Pharmacology
5.0	30	11	49	Total

Cardiovascular

Credits	Hours			Department
	Practical	Discussion	lecture	
0.9	8	4	5	Anatomy\GN
0.9	8	4	5	Anatomy\EH
0.5	4	4	2	Biochemistry
0.8	2	4	7	Physiology
0.3	2	2	2	Microbiology
0.9	4	4	7	Pathology
0.7	2	6	4	Pharmacology
5.0	30	28	32	Total

Year 2 (Preclinical Year) Modules by Department 42 Credits

Others Modules

Credits	Hours		Modules	Department
	Discussion	Lecture		
2.0	16	14	Introduction Disease & Therapy	Pathology
1.0	4	11		Pharmacology
2.0	4	26	Metabolism	Biochemistry
3.0	24	21	Measuring Health Events	Family and Community
2.0	-	-	Elective	All departments
2.0	2	28	English	University requirement

GIT, Liver, Biliary & Pancreas

Credits	Hours			Department
	Practical	Discussion	Lecture	
1.3	10	6	8	Anatomy\GN
0.4	2	2	3	Anatomy\EH
0.7	4	2	6	Biochemistry
1.1	0	6	10	Physiology
1.7	8	4	18	Microbiology
1.1	6	4	9	Pathology
0.8	0	4	8	Pharmacology
7.0	30	28	62	Total

Total Year 2

Credits	Hours			Topics
	Practical	Discussion	lecture	
3.6	24	16	26	Anatomy\GN
2.8	16	14	20	Anatomy\EH
4.5	10	18	45	Biochemistry
4.1	10	18	39	Physiology
5.1	28	14	49	Microbiology
6.1	20	31	51	Pathology
4.7	12	21	43	Pharmacology
3.0	0	24	21	Family & Community
34.0	120	156	294	Total

ECE & Ethics

Credits	Hours			Department
	Practical	Discussion	lecture	
All Departments				Anatomy\GN
				Anatomy\EH
				Biochemistry
				Physiology
				Microbiology
				Pathology
				Pharmacology
				Family & Community
4	60	20	10	Total

- **Course Assessment**

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Total Mark 100% (Summative)					
Course Activity 30%				Final Exam 70%	
Daily Activity + Quizzes + Assignments		Practical Assessment + Quizzes	End-Module or Mid- Course Exam	Practical	Written
Module	5	10	15	20	50
Course	10	-	20	-	70
Midcourse exam is carried at week 8 in first course and week 9 in second course					

III- Year 3 (Preclinical) Total Credits = 39

In year three of study, the student will continue to acquire the knowledge of normal structure and function of the human body in a clinical relevant system-based approach. Also, student will continue the experience of early clinical exposure, personal and professional development, communication skills, and medical ethics. This is important consecutive step before clinical practice, and will provide student opportunity to learn up to the level required to be a junior doctor.

In this year, student will also expose to the to the concept of research work and evidence-based medicine (EBM). Medical research plays a crucial role in the efforts to maintain health and prevent diseases as it helps to create new knowledge and develop proper tools for the use of existing knowledge in care practicing. EBM is a method for assisting clinicians with obtaining information and synthesizing its usefulness to aid clinical decision making. Medical decision making is aided by the principles of EBM when the best available research evidence is integrated with a clinician's expertise and patient preferences, regardless of whether the question is one of therapy, diagnosis, harm or prognosis. EBM bridges the gap between research and practice, for preventing decline in clinical skills, and for saving the busy practicing physician time.

A- Semester (Course) I (16 weeks)

Modules	Hours			Credits
	Lecture	Discussion	Practical	
Neurosciences	74	24	30	7.5
Endocrine	50	10	30	5
Integumentary	15	22	0	2.5
Early Clinical Exposure & Ethics	5	10	30	2
Research Project	0	0	60	2
Total	144	66	150	19

B- Semester (Course) II (16 weeks)

Modules	Hours			Credits
	Lecture	Discussion	Practical	
Renal	44	16	30	5
Reproductive	40	20	0	4
Preventive Medicine	68	22	0	6
Early Clinical Exposure & Ethics	5	25	30	3
Research Project	0	0	60	2
Total	157	83	120	20

Year 3 Preclinical Curriculum Map

Semester (Course) I				Semester (Course) II			
Wk 1-7 (7 weeks)	Wk 8	Wk 9-15 (7 weeks)	Wk 16	Wk 1-8 (8 weeks)	Wk 9	Wk 10-15 (6 weeks)	Wk 16
Modules		Modules		Modules		Modules	
• Neuroscience	End Module Exam	• Endocrine • Integumentary	End Module Exam	• Renal • Reproductive	End Module Exam	• Preventive (EBM + Infectious + Environmental + Nutrition)	End Module Exam
ECEEE		ECEE		ECEE		ECEE	
Research Project							

Year 3 (Preclinical Year) Modules by Department 39 Credits

Endocrine

Credits	Hours			Department
	Practical	Discussion	lecture	
0.7	6	2	5	Anatomy\GN
0.7	6	2	5	Anatomy\EH
0.9	6	0	10	Biochemistry
0.7	2	2	8	Physiology
0.3	2	0	4	Microbiology
0.7	6	2	6	Pathology
1.0	2	2	12	Pharmacology
0	0	0	0	Medicine
5.0	30	10	50	Total

Neurosciences

Credits	Hours			Department
	Practical	Discussion	lecture	
1.3	8	2	14	Anatomy\GN
0.7	4	2	6	Anatomy\EH
0.5	0	0	7	Biochemistry
1.1	4	4	10	Physiology
1.0	6	4	8	Microbiology
0.8	4	4	6	Pathology
1.2	4	4	12	Pharmacology
0.9	0	4	11	Medicine
7.5	30	24	74	Total

Renal

Credits	Hours			Department
	Practical	Discussion	lecture	
0.7	6	2	5	Anatomy\GN
0.7	8	2	5	Anatomy\EH
0.8	4	2	8	Biochemistry
0.7	0	2	8	Physiology
0.6	4	2	5	Microbiology
0.8	6	2	7	Pathology
0.7	2	4	6	Pharmacology
5.0	30	16	44	Total

Integumentary

Credits	Hours			Department
	Practical	Discussion	lecture	
0.3	0	2	2	Anatomy\GN
0.3	0	2	2	Anatomy\EH
0.1	0	0	2	Biochemistry
0.4	0	4	2	Physiology
0.6	0	6	3	Microbiology
0.3	0	2	2	Pathology
0.5	0	6	2	Pharmacology
2.5	0	22	15	Total

Year 3 (Preclinical Year) Modules by Department 39 Credits

Preventive

Credits	Modules			Department
	Practical	Discussion	lecture	
4.7	0	16	54	Family & Community
0.7	0	2	9	Pharmacology
0.6	0	4	5	Medicine
6.0	0	22	68	Total

Reproductive

Credits	Hours			Department
	Practical	Discussion	lecture	
0.3	0	2	3	Anatomy\GN
0.4	0	2	4	Anatomy\EH
0.5	0	4	4	Biochemistry
0.7	0	2	8	Physiology
0.7	0	4	7	Microbiology
0.8	0	4	8	Pathology
0.5	0	2	6	Pharmacology
4.0	0	20	40	Total

Total Year 3

Credits	Hours			Topics
	Practical	Discussion	lecture	
3.3	20	10	29	Anatomy\GN
2.7	18	10	22	Anatomy\EH
2.8	10	6	31	Biochemistry
3.5	6	14	36	Physiology
3.3	12	16	27	Microbiology
3.4	16	14	29	Pathology
4.7	8	20	47	Pharmacology
4.7	0	16	54	Family & Community
1.6	0	8	16	Medicine
30.0	90	114	291	Total

ECE & Ethics

Credits	Hours			Department
	Practical	Discussion	lecture	
				All Departments
5	60	35	10	Total

Research Project

Credits	Hours			Department
	Practical	Discussion	lecture	
				All Departments
4	120	0	0	Total

- **Course Assessment**

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Total Mark 100% (Summative)					
Course Activity 30%				Final Exam 70%	
Daily Activity + Quizzes + Assignments		Practical Assessment + Quizzes	End-Module or Mid- Course Exam	Practical	Written
Module	5	10	15	20	50
Course	10	-	20	-	70
Research	30			70	
Midcourse exam is carried at week 8 in first course and week 9 in second course					

IV- Year 4 (Clinical) Total Credits =

This year is the transition to clinical part of the study in KMC. There are a number of significant differences between basic phase and clinical phase as the student start to learn the body systems in a clinical perspective for the level required to be a junior doctor. The students will be trained to use their ability in biomedical knowledge in clinical reasoning and decision making in clinical practice.

The clinical department (Medicine, Surgery, Obstetrics & Gynecology, and Pediatric), besides two basic departments (Family & Community, and pathology and forensic Medicine) participate in this tear teaching for developing an appreciation of personal and professional development, communication skills, and medical ethics.

There are two courses in this year, each course lasts for 16 weeks. Course I contain general medicine, primary healthcare, and Forensic Medicine & Clinical Pathology modules. Corse II contains surgery and obstetrics module. A one-week elective course is present also in each course

To assist students in learning, modules employ a variety of activities including lectures, clinical sessions and discussion, medical images with laboratory guide, small group discussions, and clinical problem-solving cases through Integrated learning activities. In addition, students are expected to self-study the required readings provided from textbooks and Internet.

Modules:

Modules	Hours			Credits
	Lecture	Discussion	Practical	
General Medicine	90	30	120	12
Primary Healthcare	45	30	60	7
General Surgery	90	30	120	12
Obstetrics	45	30	120	9
Forensic Medicine & Clinical Pathology	30	30	30	5
Elective	0	15	30	2
Total	300	165	480	47

<table>
<tr><th colspan="4">Year 4 Clinical Curriculum Map</th></tr>
<tr><th>Week</th><th colspan="2">Semester (Course) I
(Medicine + PHC)</th><th>Semester (Course) II
(Surgery + Obstetrics)</th></tr>
<tr><td>1-7 (7 weeks)
Group A or B</td><td colspan="2">General Medicine</td><td>General Surgery</td></tr>
<tr><td>Week 8</td><td colspan="2">Revision & Exam
(+ Midcourse Exam)</td><td>Revision & Exam
(+ Midcourse Exam)</td></tr>
<tr><td rowspan="3">9-15 (7 weeks)
Group A or B</td><td colspan="2">1 week Elective</td><td rowspan="2">Obstetrics (6 weeks)</td></tr>
<tr><td>Group 1
PHC
(3 weeks)</td><td>Group 2
Forensic Medicine &
Clinical Pathology
(3 weeks)</td></tr>
<tr><td colspan="2"></td><td>1 week Elective</td></tr>
<tr><td>Week 16</td><td colspan="2">Revision & Exam</td><td>Revision & Exam</td></tr>
</table>

- **Course Assessment**

1- Formative Assessment: The formative assessment is continuous as well as end-of-course assessment. It will not count towards pass/fail at the end of the course, but will provide feedback to the teachers and students.

2- Summative Assessment: Total score is 100%, students will have theory and practical examinations. The pass mark is 50% for the final mark.

3- The classification is elaborated in below table:

Total Mark 100% (Summative)					
Course Activity 30%				Final Exam 70%	
Daily Activity + Quizzes + Assignments		Practical End course Exam	Mid- Course Exam	Practical	Written
Module	5	15	10	20	50
Midcourse exam is carried at week 8 in each course					

V- Year 5 (Clinical) Total Credits = 51

In Year five, the student will expose to medical and surgical subspecialities, besides pediatrics and gynecology, to ensure that he/she will have the comprehensive knowledge and skills needed in their future career as doctors. The student in this year also continues to receive the ethical approach in clinical decision making to ensure the acquisition of appropriate professional behaviors and practice in an ethical manner.

There are two courses in this year, each course lasts for 16 weeks. Course I contains modules of medical subspecialities (Rheumatology, Dermatology, Hematology, Neurology and Psychiatry) and pediatrics. Course II contains the modules of surgical subspecialities (Orthopedics, ENT, radiology, Ophthalmology, Cardiothoracic Surgery, Neurosurgery, Plastic Surgery, & Emergency) and Gynecology.

The modules will contain large group lectures (LGT), clinical sessions, small group clinical tutorials and seminars. The practical sessions are mainly out patients training.

Modules:

Modules	Hours			Credits
	Lecture	Discussion	Practical	
Medicine Subspecialties (Neurology, Rheumatology, Hematology, Geriatrics, and Toxicology)	50	25	90	8
Psychiatry (Medicine)	20	18	45	4
Dermatology (Medicine)	20	10	45	3.5
Surgery Subspecialties (Anesthesia, Cardiothoracic Surgery, Neurosurgery, Plastic Surgery, & Emergency)	20	10	105	5.5
Orthopedics (Surgery)	40	12	60	5.5
Radiology (Surgery)	15	15	45	3.5
Ophthalmology (Surgery)	15	15	45	3.5
ENT (Surgery)	15	15	45	3.5
Gynecology	45	30	60	7
Pediatrics	45	30	60	7
Total	285	180	600	51

Year 5 Clinical Curriculum Map		
Week	**Semester (Course) I Group A or B (Medicine + Pediatrics)**	**Semester (Course) II Group A or B (Surgery + Gynecology)**
1-3	**Neurology**	**ENT+ Anesthesia**
4-6	**Psych + Rheumatology**	**Radiology + General Surgery**
7-9	**Dermatology**	**Neuro + Cardio + Plastic**
Wk 10	**Revision & Exam**	**Revision & Exam**
11-13	**Pediatrics**	**Gynecology**
14-16	**Ophthalmology + Emergency**	**Orthopedic**

- **Course Assessment**

1- Formative Assessment: The formative assessment is continuous as well as end-of-course assessment. It will not count towards pass/fail at the end of the course, but will provide feedback to the teachers and students.

2- Summative Assessment: Total score is 100%, students will have theory and practical examinations. The pass mark is 50% for the final mark.

3- The classification is elaborated in below table:

Total Mark 100% (Summative)					
Course Activity 30%				Final Exam 70%	
Daily Activity + Quizzes + Assignments		Practical End course Exam	Mid- Course Exam	Practical	Written
Module	**5**	**15**	**10**	**20**	**50**
Midcourse exam is carried at week 10 in each course					

VI- Year 6 (Clinical Clerkship) Total Credits = 48

The sixth-year course "Clinical Clerkship" is design to let the student acquire the advanced clinical experiences to facilitate the transition from being a student to being a doctor in the medical workplace as trainee interns.

This course is structured as a series of clinical rotations (11 weeks in each), in the major specialties of medicine (Medicine, Surgery, Obstetrics & Gynecology and, Pediatrics). Family Medicine practice, as newly growing demand in medical curriculum, will be taken within the courses of Obstetrics & Gynecology and, Pediatrics. Students will consolidate and enhance their knowledge, clinical skills and professional behaviors in these four clinically orientated rotations to be well prepared for their futured career.

Students will participate in a range of learning experiences designed to substantially enhance their clinical reasoning, diagnostic and case management skills. The main theme is clinical experience that is gained through communication with patients, doctors, medical staff and colleagues.

Year 6 (Clinical Year)				
Credits	Hours			Subject
	Practical	Discussion	lecture	
12	300	30	0	Medicine
12	300	30	0	Surgery
11	270	30	0	Obstetrics & Gynecology
11	270	30	0	Pediatrics
2	30	15	0	Family Medicine
48	1170	135	0	Total

Year 6 Clinical Curriculum Map			
Course I	Course II	Course III	Course VI
11 Weeks	11 Weeks	11 Weeks	11 Weeks
Medicine	Surgery	Obstetrics & Gynecology + Family Medicine (Women Healthcare)	Pediatric + Family Medicine (Child Healthcare)

Total Basic Years by Department 121 Credits

Department	Year I					Year II					Year III					Total Basic Years				
	Theory			Prac	Crd	Theory			Prac	Crd	Theory			Prac	Crd	Theory			Prac	Crd
	Lec	Disc	Tot			Lec	Disc	Tot			Lec	Disc	Tot			Lec	Disc	Tot		
Anatomy (Gen+ Histolog + Emb)	50	40	90	60	8.0	46	30	76	40	6.4	51	20	71	38	6.0	147	90	237	138	20.4
Biochemistry	24	6	30	30	3.0	45	18	63	10	4.5	31	6	37	10	2.8	100	30	130	50	10.3
Physiology	30	30	60	60	6.0	39	18	57	10	4.1	36	14	50	6	3.5	105	62	167	76	13.7
Microbiology (Biology + Genetic)	40	20	60	60	6.0	49	14	63	28	5.1	27	16	43	12	3.3	116	50	166	100	14.4
Pathology	0	0	0	0	0.0	51	31	82	20	6.1	29	14	43	16	3.4	80	45	125	36	9.5
Pharmacology	15	15	30	0	2.0	43	21	64	12	4.7	47	20	67	8	4.7	105	56	161	20	11.4
Family& Community Medicine	15	15	30	0	2.0	21	24	45	0	3.0	54	16	70	0	4.7	90	55	145	0	9.7
Medicine	0	0	0	0	0.0	0	0	0	0	0.0	16	8	24	0	1.6	16	8	24	0	1.6
Research work	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	120	4.0	0	0	0	120	4.0
Early Clinical Exposure	0	0	0	0	0.0	10	20	30	60	4.0	10	35	45	60	5.0	20	55	75	120	9.0
Human Rights	30	0	30	0	2.0	0	0	0	0	0.0	0	0	0	0	0.0	30	0	30	0	2.0
Arabic	30	15	45	0	3.0	0	0	0	0	0.0	0	0	0	0	0.0	30	15	45	0	3.0
English	30	15	45	0	3.0	28	2	30	0	2.0	0	0	0	0	0.0	58	17	75	0	5.0
Computer	15	15	30	30	3.0	0	0	0	0	0.0	0	0	0	0	0.0	15	15	30	30	3.0
Elective	0	0	0	0	0.0	0	0	0	60	2.0	0	0	0	0	0.0	0	0	0	60	2.0
Sport	0	0	0	60	2.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	60	2.0
Total	279	171	450	300	40.0	332	178	510	240	42.0	301	149	450	270	39.0	912	498	1410	810	121.0

Total Clinical Years by Department 146 Credits

Department	Year IV					Year V					Year VI					Total Clinical Years				
	Theory			Prac	Crd	Theory			Prac	Crd	Theory			Prac	Crd	Theory			Prac	Crd
	Lec	Disc	Tot			Lec	Disc	Tot			Lec	Disc	Tot			Lec	Disc	Tot		
Medicine	90	30	120	120	12.0	90	53	143	180	15.5	0	30	30	300	12.0	180	113	293	600	39.5
Surgery	90	30	120	120	12.0	105	67	172	300	21.5	0	30	30	300	12.0	195	127	322	720	45.5
Gynecology & Obst	45	30	75	120	9.0	45	30	75	60	7.0	0	30	30	270	11.0	90	90	180	450	27.0
Pediatrics	15	0	15	0	1.0	45	30	75	60	7.0	0	30	30	270	11.0	60	60	120	330	19.0
Family& Community Medicine	30	30	60	60	6.0	0	0	0	0	0.0	0	15	15	30	2.0	30	45	75	90	8.0
Pathology	30	30	60	30	5.0	0	0	0	0	0.0	0	0	0	0	0.0	30	30	60	30	5.0
Elective	0	15	15	30	2.0	0	0	0	0	0.0	0	0	0	0	0.0	0	15	15	30	2.0
Total	300	165	465	480	47	285	180	465	600	51	0	135	135	1170	48.0	585	480	1065	2250	146

Total Clinical & Basic Years by Departments 267 Credits (250+17 University Requirements)

Department	Basic Years					Clinical Years					Total Years				
	Theory			Prac	Credits	Theory			Prac	Credits	Theory			Prac	Credits
	Lec	Disc	Tot			Lec	Disc	Total			Lec	Disc	Total		
Medicine	16	8	24	0	1.6	180	113	293	600	39.5	196	121	317	600	41.1
Surgery	0	0	0	0	0.0	195	127	322	720	45.5	195	127	322	720	45.5
Gynecology & Obst	0	0	0	0	0.0	90	90	180	450	27.0	90	90	180	450	27
Pediatrics	0	0	0	0	0.0	60	60	120	330	19.0	60	60	120	330	19
Family& Community Medicine	90	55	145	0	9.7	30	45	75	90	8.0	120	100	220	90	17.7
Pathology	80	45	125	36	9.5	30	30	60	30	5.0	110	75	185	66	14.5
Other Department	593	343	936	624	83.2	0	15	15	30	2	593	358	951	654	85.2
University Requirements	133	47	180	150	17	0	0	0	0	0	133	47	180	150	17
Total	912	498	1410	810	121	585	480	1065	2250	146	1497	978	2475	3060	267