



University of Baghdad

Alkindy College of Medicine

Medical Education Unit

Undergraduate Scientific Curriculum 2022-2023

Integrated Course Based for MBChB Degree in Medicine

For “**Clinician, Communicator, Team Leader, Professional & Lifelong Learner**” Graduate

- ▶ **Course I: From 2 / October 2022 till 21 / January 2023 (15 weeks)**
- ▶ **Course II: From 19 / February 2023 till 1st / June 2023 (15weeks)**

Year 1 (Basic Year) 38 Credits										
Course II (15 weeks)					Course I (15 weeks)					
Credits	Hours			Subject	Credits	Hours			Subject	
	Prac	Disc	Lec			Prac	Disc	Lec		
5	30	30	30	Human Structure & Development	3	30	10	20	Human Anatomy	
3	30	10	20	Biochemistry	3	30	10	20	Medical Physics	
3	30	20	10	Physiology	3	30	10	20	Human Cell & Gene	
3	30	10	20	Microbiology and Immunity	2	0	15	15	Foundation of Medicine	
2	0	0	30	Principles of Health & Disease	2	0	0	30	# Human Rights	
2	30	0	15	# Basic Computer	2	0	0	30	# Arabic	
1	30	0	0	# Physical Education	2	0	0	30	# English	
					2	60	0	0	# Physical & Art Education	
19	180	70	125	Total	19	150	45	165	Total	
290 Lectures		115 Discussions			330 Practical			Total Credits = 38		
# University Requirements										

Year 1 (Basic Year) Modules by Department 38 Credits

Cred % Y1	Total Y1 Cred	Course II					Course I				
		Cred	Hours			Department	Cred	Hours			Department
			Prac	Disc	Lec			Prac	Disc	Lec	
21.05	8	5	30	30	30	Anatomy	3	30	10	20	Anatomy
7.89	3	3	30	10	20	Biochemistry	0	0	0	0	Biochemistry
15.79	6	3	30	20	10	Physiology	3	30	10	20	Physiology
15.79	6	3	30	10	20	Microbiology	3	30	10	20	Microbiology
0.00	0	0	0	0	0	Pathology	0	0	0	0	Pathology
5.26	2	0	0	0	0	Pharmacology	2	0	15	15	Pharmacology
5.26	2	2	0	0	30	Family & Community	0	0	0	0	Family & Community
28.95	11	3	60	0	15	Others	8	60	0	90	Others
100	38	19	180	70	125	Total	19	150	45	165	Total

Year 2 (Preclinical Year) 41 Credits											
Course II						Course I					
Weeks	Cred	Hours			Module	Weeks	Cred	Hours			Module
		Prac	Disc	Lec				Prac	Disc	Lec	
5	5	30	10	50	Endocrine	6	3	0	20	25	Introduction to Disease & Therapy
5	5	30	28	32	Cardiovascular		2	0	4	26	Metabolism
5	5	30	11	49	Respiratory	5	5	30	13	47	Hemopoietic & Lymphatic
Long	2	30	10	5	Early Clinical Exposure & Ethics	4	4	0	28	32	Musculoskeletal
Long	2	0	2	28	# Elective Advanced English	Long	2	30	10	5	Early Clinical Exposure & Ethics
						Long	2	30	0	15	# Advanced Computer
Long	2	0	30	0	# Elective (Behavioral Regulation & Thinking Technique)	Long	2	30	0	15	# Elective (Human development & Civil Defense)
15	21	120	91	164	Total	15	20	120	75	165	Total
329 Lectures				166 Discussions		240 Practical			Total Credits = 41		
# University Requirements											

Year 2 (Preclinical Year) Modules by Department 41 Credits

Musculoskeletal 4 Wks					Hemopoietic & Lymphatic 5 Wks				
Cred	Hours			Department	Cred	Hours			Department
	Prac	Disc	Lec			Prac	Disc	Lec	
1.0	0	8	8	Anatomy\GN + EH	0.9	4	4	7	Anatomy\GN + EH
0.5	0	4	4	Biochemistry	0.5	2	2	5	Biochemistry
0.6	0	4	5	Physiology	0.7	4	2	6	Physiology
0.6	0	4	5	Microbiology	1.3	10	2	12	Microbiology
0.6	0	4	5	Pathology	1.0	6	3	9	Pathology
0.6	0	4	5	Pharmacology	0.7	4	0	8	Pharmacology
4.0	0	28	32	Total	5.0	30	13	47	Total
Respiratory 5 Wks					Cardiovascular 5 Wks				
Cred	Hours			Department	Cred	Hours			Department
	Prac	Disc	Lec			Prac	Disc	Lec	
1.0	8	2	10	Anatomy\GN + EH	1.8	16	8	10	Anatomy\GN + EH
0.3	0	2	2	Biochemistry	0.5	4	4	2	Biochemistry
1.0	4	2	11	Physiology	0.8	2	4	7	Physiology
1.2	8	2	12	Microbiology	0.3	2	2	2	Microbiology
0.6	4	0	7	Pathology	0.9	4	4	7	Pathology
0.9	6	3	7	Pharmacology	0.7	2	6	4	Pharmacology
5.0	30	11	49	Total	5.0	30	28	32	Total

Year 2 (Preclinical Year) Modules by Department 41 Credits									
Introduction Disease & Therapy					Endocrine 5 Wks				
Credits	Hours			Department	Cred	Hours			Department
	Prac	Disc	Lec			Prac	Disc	Lec	
2.0	0	16	14	Pathology	1.3	12	4	10	Anatomy\GN+EH
1.0	0	4	11	Pharmacology	0.9	6	0	10	Biochemistry
3	0	20	25	Total	0.7	2	2	8	Physiology
Metabolism					0.3	2	0	4	Microbiology
2.0	0	4	26	Biochemistry	0.7	6	2	6	Pathology
Others					1.0	2	2	12	Pharmacology
8	60	32	58	University requirements	0	0	0	0	Medicine
					5.0	30	10	50	Total
Total Year 2					ECE & Ethics				
Credits (%)	Hours			Hours	Cred	Hours			Department
	Prac	Disc	Lec			Prac	Disc	Lec	
6.0 (14.3)	40	24	46	Anatomy\GN + EH	All Departments	60	20	10	Anatomy\GN + EH
4.5 (10.7)	10	18	45	Biochemistry					Biochemistry
3.9 (9.3)	10	14	40	Physiology					Physiology
5.0 (11.9)	28	12	49	Microbiology					Microbiology
6.0 (14.3)	20	29	51	Pathology					Pathology
4.6 (10.7)	12	19	43	Pharmacology					Pharmacology
12 (28.6)	120	52	68	ECE & Others					Family & Community
41.0	240	166	329	Total	4	60	20	10	Total

Year 3 (Preclinical Year) 43 Credits											
Course II						Course I					
Weeks	Cred	Hours			Module	Weeks	Cred	Hours			Module
		Prac	Disc	Lec				Prac	Disc	Lec	
5	6	0	22	68	Preventive Medicine	2	2	0	10	20	Measuring Health Events
6	6	30	12	63	GIT, Liver, Biliary and Pancreas	8	8	30	30	75	Neurosciences
4	4	30	6	39	Renal	2	2	0	15	15	Integumentary
Long	2	30	10	5	Early Clinical Exposure & Ethics	3	4	0	20	40	Reproductive
Long	2	60	0	0	Research Project	Long	3	30	25	5	Early Clinical Exposure & Ethics
Long	2	0	0	30	# Elective (English Language III)	Long	2	60	0	0	Research Project
15	22	150	50	205	Total	15	21	120	100	155	Total
360 Lectures				150 Discussions		270 Practical			Total Credits = 43		
# University Requirements											

❖ تعطى مادة Endocrine في هذه السنة فقط للمرحلة الثالثة في الفصل الثاني (وتعطى للمرحلة الثانية ايضا)
❖ لاتعطى مادة Measurement ومادة GIT في المرحلة الثالثة لهذه السنة (تم اخذها في المرحلة الثانية)

Year 3 (Preclinical Year) Modules by Department 43 Credits

GIT, Liver, Biliary & Pancreas 6 Wk					Neurosciences				
Cred	Hours			Department	Cred	Hours			Department
	Prac	Disc	Lec			Prac	Disc	Lec	
1.7	12	2	11	Anatomy\GN + EH	2.0	12	4	20	Anatomy\GN +EH
0.7	4	2	6	Biochemistry	0.5	0	0	7	Biochemistry
1.1	0	2	11	Physiology	1.1	4	4	10	Physiology
1.7	8	2	18	Microbiology	1.0	6	4	8	Microbiology
1.1	6	2	9	Pathology	0.8	4	4	6	Pathology
0.8	0	2	8	Pharmacology	1.2	4	4	12	Pharmacology
0	0	0	0	Medicine	0.9	0	4	11	Medicine
6.0	30	12	63	Total	8	30	30	75	Total
Renal					Integumentary				
Cred	Hours			Department	Cred	Hours			Department
	Prac	Disc	Lec			Prac	Disc	Lec	
1.2	14	2	9	Anatomy\GN+EH	0.5	0	4	4	Anatomy\GN +EH
0.6	4	0	7	Biochemistry	0.1	0	0	2	Biochemistry
0.4	0	0	6	Physiology	0.3	0	2	2	Physiology
0.6	4	2	5	Microbiology	0.5	0	4	3	Microbiology
0.6	6	0	6	Pathology	0.3	0	2	2	Pathology
0.6	2	2	6	Pharmacology	0.3	0	3	2	Pharmacology
4.0	30	6	39	Total	2.0	0	15	15	Total

Year 3 (Preclinical Year) Modules by Department 43 Credits									
Preventive					Reproductive				
Cred	Modules			Department	Cred	Hours			Department
	Prac	Disc	Lect			Prac	Disc	Lec	
4.7	0	16	54	Family & Community	0.7	0	4	7	Anatomy\GN
0.7	0	2	9	Pharmacology	0.5	0	4	4	Biochemistry
0.6	0	4	5	Medicine	0.7	0	2	8	Physiology
6.0	0	22	68	Total	0.7	0	4	7	Microbiology
Measuring Health Events					0.8	0	4	8	Pathology
Cred	Prac	Disc	Lect	Family & Community	0.5	0	2	6	Pharmacology
2.0	0	10	20	Total	4.0	0	20	40	Total
Total Year 3					ECE & Ethics				
Cred (%)	Hours			Topics	Cred	Hours			Department
	Prac	Disc	Lec			Prac	Disc	Lec	
5.8 (13.8)	38	18	50	Anatomy\GN +GH	5	60	35	10	All Departments
2.9 (7.0)	10	8	31	Biochemistry	Research Project				
3.1 (7.5)	6	10	34	Physiology					
3.3 (7.8)	12	16	27	Microbiology	4	120	0	0	Total
3.2 (7.6)	16	12	28	Pathology	Elective				
4.4 (10.5)	8	15	47	Pharmacology					
6.7 (15.9)	0	26	74	Family & Community	Cred	Hours			University Requirements
1.6 (3.8)	0	8	16	Medicine		Prac	Disc	Lec	
11.0 (26.2)	180	35	40	All department + UR					
43	270	150	360	Total	2	0	0	30	Total

Total Credits of Basic Years by Department

Department	Year I			Year II			Year III			Total			
	Theo	Prac	Cred	Theo	Prac	Cred	Theo	Prac	Cred	Theo	Prac	Cred	%
Anatomy (Histology + Emb)	90	60	8.0	70	40	6	68	38	5.8	228	138	19.8	16.2
Biochemistry	30	30	3.0	63	10	4.5	39	10	2.9	132	50	10.4	8.5
Physiology	60	60	6.0	54	10	3.9	44	6	3.1	158	76	13.0	10.7
Microbiology (Biology + Genetic)	60	60	6.0	61	28	5	43	12	3.3	164	100	14.3	11.7
Pathology	0	0	0.0	80	20	6	40	16	3.2	120	36	9.2	7.5
Pharmacology	30	0	2.0	62	12	4.5	62	8	4.4	154	20	10.9	8.9
Family & Community Medicine	30	0	2.0	0	0	0	100	0	6.7	130	0	8.7	7.1
Medicine	0	0	0.0	0	0	0	24	0	1.6	24	0	1.6	1.3
Others													
Research work	0	0	0.0	0	0	0	0	120	4	0	120	4	3.3
Early Clinical Exposure	0	0	0.0	30	60	4	45	60	5	75	120	9	7.4
# Human Rights	30	0	2.0	0	0	0	0	0	0	30	0	2	1.6
# Arabic	30	0	2.0	0	0	0	0	0	0	30	0	2	1.6
# English	30	0	2.0	30	0	2	0	0	0	60	0	4	3.3
# Computer	15	30	2.0	15	30	2	0	0	0	30	60	4	3.3
# Elective	0	90	3.0	45	30	4	30	0	2	75	120	9	7.4
Total	405	330	38.0	495	240	41	510	270	43	1410	840	122	100

Year 4 (Clinical Year) 47 Credits									
Course II (15 weeks)					Course I (15 weeks)				
Credits	Hours			Subject	Credits	Hours			Subject
	Prac	Disc	Lec			Prac	Disc	Lec	
12	120	30	90	General Surgery	12	120	30	90	Internal Medicine
9	120	30	45	Obstetrics	6	60	15	45	Primary Healthcare
3	0	45	0	# Elective (Advanced Skills for Communication in English Language)	5	30	30	30	Forensic Medicine & Clinical Pathology
24	240	105	135	Total	23	210	75	165	Total
300 Lectures		180 Discussions		450 Practical		Total Credits = 47			
# University Requirements									
Year 4 Clinical Curriculum Map									
Week		Semester (Course) I (Medicine + PHC)				Semester (Course) II (Surgery + Obstetrics)			
1-7 Group A or B		General Medicine				General Surgery			
Week 8		Clinical Pathology				Elective (1 week)			
9-15 Group A or B		PHC (2 Days) + Forensic Medicine (2 days) + Child Health (1 day)				Obstetrics (6 weeks)			

Year 5 (Clinical Year) 51 Credits										
Course II (15 weeks)					Course I (15 weeks)					
Credits	Hours			Subject	Credits	Hours			Subject	
	Prac	Disc	Lec			Prac	Disc	Lec		
5	90	10	20	Surgery Subspecialties (Anesthesia, Cardiothoracic Surgery, Neurosurgery & Plastic Surgery)	8	90	25	50	Medicine Subspecialties (Neurology, Rheumatology, Hemato- logy, Geriatrics, & Toxicology)	
6	60	15	45	Orthopedics (Surgery)	4	30	20	25	Psychiatry (Medicine)	
3.5	45	15	15	Radiology (Surgery)	3.5	45	10	20	Dermatology (Medicine)	
3.5	45	15	15	ENT (Surgery)	3.5	45	15	15	Ophthalmology (Surgery)	
7	60	30	45	Gynecology	7	60	30	45	Pediatrics	
25	300	85	140	Total	26	270	100	155	Total	
295 Lectures			185 Discussions			570 Practical			Total Credits = 51	
Year 5 Clinical Curriculum Map										
Week (Group A or B)		Course I (Medicine + Pediatrics)				Course II Surgery + Obstetrics				
1-3		Neurology				ENT+ Anesthesia				
4-6		Psychiatry + Rheumatology				Radiology + General Surgery				
7-9		Dermatology				Neuro + Cardio + Plastic				
10-12		Ophthalmology				Orthopedics				
13-15		Pediatrics				Gynecology				

Year 6 (Clinical Year) 48 Credits					
Credits	Wks	Hours			Course
		Prac	Disc	Lec	
12	11	300	30	0	Internal Medicine
12	11	300	30	0	Surgery
11	10	270	30	0	Obstetrics & Gynecology
11	10	270	30	0	Pediatrics
2	2	60	0	0	Family Medicine (1 wk with Gynecology & 1 wk with Pediatrics)
3-5 Days in Each Course					Common Medical Emergencies
48	44	1200	120	0	Total

• يبدأ دوام المرحلة السادسة للعام الدراسي ٢٠٢٢-٢٠٢٣ يوم ٢٠٢٢/٧/١٧

Total Credits of Clinical Years by Department													
Department	Year IV			Year V			Year VI			Total			
	Theo	Prac	Cred	Theo	Prac	Cred	Theo	Prac	Cred	Theo	Prac	Cred	%
Medicine	120	120	12	150	165	15.5	30	300	12	300	585	39.5	27.1
Surgery	120	120	12	180	285	21.5	30	300	12	330	705	45.5	31.2
Gynecology	75	120	9	75	60	7	30	270	11	180	450	27	18.5
Pediatric	15	0	1	75	60	7	30	270	11	120	330	19	13.0
Family & Community	45	60	5	0	0	0	0	60	2	45	120	7	4.8
Pathology	60	30	5	0	0	0	0	0	0	60	30	5	3.4
Others													
# Elective	45	0	3	0	0	0	0	0	0	45	0	3	2.1
Total	480	450	47	480	570	51	120	1200	48	1080	2220	146	100

KMC Curriculum	Hours		Cred (%)
	Theory (%)	Practical (%)	
Basic Years	1410 (56.6)	840 (27.5)	122 (45.5)
Clinical Years	1080 (43.4)	2220 (72.5)	146 (54.5)
Total	2490 (100)	3060 (100)	268 (100)