



جامعة بغداد - كلية طب الكندي  
وحدة التعليم الطبي



*University of Baghdad*  
*Al-Kindy College of Medicine*

*Year – 3 – Hand out book*  
*Academic year 2020-2021*

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## **Welcome words**

Dear Year Three Students

Welcome to the third year of your study in Al-Kindy College of Medicine / University of Baghdad. We, the faculty members, wish you all the success in this year and in the future, and will do our best to ensure that you will have all the required knowledge and skills needed in your future career as doctors and to be able to demonstrate appropriate professional behaviors and practice in an ethical manner. This handbook describes the modules of Semester I and II of your Third Year in the College.

Year three will be the final preclinical years on one hand and for enabling you to be a lifelong researcher on the other hand. You will have the opportunity to learn how and practice physical examination of patients and to conduct a small project supervised by one of the faculty members.

Being integrated, you will have three modules during the first semester nervous system and special sense module, integumentary system module and urinary system module while the second semester will include endocrine system, reproductive system modules and preventive medicine module. The clinical attachment will be applied throughout both semesters via early clinical exposure.

Early in this year and from the beginning of the first semester every two-three students will be attached to a faculty member as a supervisor for their research project; they should start at beginning of this semester through the second semester, then they will present their work to a scientific committee at the end of the second semester of this year (Academic year 2020 – 2021). The importance of this year is that you will be responsible for the skills that you were exposed to in your previous two years, yet you will practice it by yourself to be ready for assessing your performance later. Beside you will learn and practice a list of skills at your clinical attachment and will have the opportunity to practice it in the skill lab supervised by a registrar. At the same time you will continue to develop an appreciation of personal and professional development, communication skills, and medical ethics.

As a Year Coordinators, we will be happy to help you throughout your study, and to answer your questions and queries directly or through the E-mails. (Appendix I).

We will be happy to receive formal or informal feedback from you about the academic organization of the module at any time. If for whatever reason you are getting into academic difficulties with the course, let us know sooner rather than later. We hope that you will enjoy year three.

**Year three Coordinators:**

**Dr. Mohanad Mundher Abdul Ghani & Dr. Zaid Ihsan**

**Aims and Objectives of the year:**

Year Three in Al-Kindy College of Medicine; University of Baghdad aims to continue what have been started in the second year via expose students to the best environment for starting a life-long medical career by enhancing students' learning abilities and assisting their professional development through essential modules that would provide them with basic knowledge, skills, and attitude in order to progress successfully through next grades in College of Medicine.

**Objectives:**

By the end of this year; students would be able to:

- 1- Describe the histology, gross anatomy and embryological development of five human body systems (nervous, integumentary, renal, endocrine & reproductive systems).
- 2- Determine the physiological functions of the organs of the aforementioned five body systems.
- 3- Describe the biochemical changes and laboratory tests applied in diagnosis and assessment of disease of the aforementioned five body systems.
- 4- Explain the etiology, pathogenesis, & describe pathological features of main diseases and disorders affecting the aforementioned five body systems.
- 5- List the common causative microorganisms, outline the pathogenesis of pathogens and their modes of spread of these pathogens in infectious diseases affecting the aforementioned five body systems.
- 6- Describe mechanism of action, absorption, distribution, excretion and side effects of drugs prescribed in management of diseases affecting the aforementioned five body systems and the indication, dose and side effects of antibiotics.
- 7- Value the concept of Social & Economic Health, Occupational and Environmental Health problems.
- 8- Determine Control of Communicable Disease.
- 9- Apply Evidence Based Medicine and Medical Ethics.
- 10- Prepare medical student to Perform research project work (thesis, dissertation).
- 11- Approach a patient considerately and respectfully, by taking history and achieve basic competency in performing basic clinical examination.

**Structure of Year Three Curriculum:**

During year three you will have three modules in each semester as well as early clinical exposure that will go through the whole academic year as demonstrated in the following tables.

Year 3 Semester 1 15 weeks					
Modules +ECE	Subject	Lecture	Practical	S + T	Credit
	Nervous System & Special Senses module	70	48	10	6.9
	Integumentary System module	24	24	8	2.9
	Urinary System module	46	32	8	4.7
	Early clinical exposure & SDL		120		4
	<b>Total</b>	<b>140</b>	<b>224</b>	<b>26</b>	<b>18.5</b>

Year 3 Semester 2 15 weeks					
Modules +ECE	Subject	Lecture	Practical	S + T	Credit
	Endocrine module	49	24	13	4.9
	Reproductive module	45	24	11	4.5
	Preventive Medicine module	65	120	14	9.3
	Early clinical exposure & SDL		120		4.0
	<b>Total</b>	<b>159</b>	<b>288</b>	<b>38</b>	<b>22.7</b>

**Learning Resources:**

All of the core information in this year is covered by lectures, practical, small group learning sessions, clinical/ bedside sessions and seminars and the recommended reading that is associated with them; the vast majority of the information covered in these learning activities can be found in the recommended textbooks.

Anatomy	<ul style="list-style-type: none"><li>• Moore, K.: Essential Clinical Anatomy.</li><li>• Drake, R., Wayne, V. &amp; Mitchel, A.: Gray's Anatomy for Students.</li><li>• Agur, A. &amp; Dalley, A.: Grant's Atlas of Anatomy.</li><li>• McMinn's Clinical Atlas of Human Anatomy.</li><li>• Gosling's Color Atlas &amp; Textbook of Human Anatomy</li></ul>
Physiology	<ul style="list-style-type: none"><li>• Guyton and Hall Textbook of Medical Physiology</li><li>• Ganong Review of Medical Physiology</li></ul>
Pathology	<ul style="list-style-type: none"><li>• Robbins basic pathology, 10<sup>th</sup> edition.</li><li>• Curran's Atlas of histopathology 3<sup>ed</sup> edition.</li></ul>
Histology	<ul style="list-style-type: none"><li>• Junqueira's Basic Histology Text &amp; Atlas (LANGE)</li></ul>
Immunity	<ul style="list-style-type: none"><li>• Kubby – Immunology.</li><li>• Ivan Roitt – Immunology</li></ul>
Microbiology	<ul style="list-style-type: none"><li>• Jamet's medical microbiology.</li><li>• Baily &amp; Scott's diagnostic microbiology.</li></ul>
Pharmacology	<ul style="list-style-type: none"><li>• Clinical pharmacology by Laurence</li><li>• Basic &amp; clinical pharmacology by Katzung(Textbooks)</li><li>• Lippincott's illustrated reviews by Finkel Cubeddu &amp; Clark</li></ul>
Biochemistry	<ul style="list-style-type: none"><li>• Lippincott's illustrated reviews Biochemistry Denise R Ferrier</li><li>• Textbook of biochemistry for medical students-Jaypee.</li></ul>

**Lectures:**

In year three, more than one third of the core content of the curriculum will be delivered via didactic lectures. Each lecture is accompanied by lecture handouts that will, hopefully, be uploaded beforehand on the Medical College's website. These handouts include: the title of the lecture, the learning objectives, the relevance of the lecture to clinical practice, and an outline of the lecture contents. Recommended reading in core textbooks is also indicated for each lecture. Some lecturers also suggest further reading for those who wish to explore a topic in more detail than is required by the core curriculum. You are advised to read the lecture outlines prior to the lectures themselves.

**Practical Sessions:**

This year contains practical sessions at the Anatomy, histology, biochemistry, physiology, Microbiology and pathology labs, yet the vast majority of practical work will be bedside teaching, skill lab and project activities.

**Seminars and tutorials:**

These activities will be delivered on each group separately in small lecture halls; it is for topics that require active participation from students to allow open discussion and brain storming amongst them under the supervision of a lecturer.

**Self-Directed Learning:**

A great element of success in our integrated curriculum depends on your extensive, inner-motivated, and continuous life-long learning. Your proper use of all the previous learning resources will reflect your responsibility in acquiring the requisite knowledge, skills, and professionalism during your progress in this year the successive years.

**Handouts:**

The first handouts you will need are this handbook and the time-table; both would be uploaded on Google Classroom in proper time. In general, hopefully, all lectures (PowerPoint presentations) with video recording will be posted on Google Classroom.

**Library:**

You have access to Main Library in College which contains many publications (textbooks & journals) on basic sciences and clinical material of medicine. If you have any questions about how to use library facilities please do not hesitate to ask members of the library staff.

**Google Classroom:**

It is an easily accessible medium providing the most up to date information regarding your course and your timetable for lectures and practical sessions. You will have your own personal user name & password that grants your secured access to Google Classroom. Please you should use the Google Classroom as soon as possible and log in on a daily basis.

**What do we expect from you? We expect you to:**

1. Prepare for formal teaching sessions by reading the outlines, including the aims and objectives, and by referring to the recommended background reading.
2. Attend all formal learning sessions and arriving promptly on time.
3. Be responsible for your own learning.
4. Behave courteously to your colleagues and the lecturers during the learning sessions.
5. Ensure that all mobile phones are switched off during lectures. Allowing these devices to ring during lectures is disruptive for your colleagues and is discourteous to the lecturer.
6. Monitor your own progress by attending and participating in the formative assessment sessions.
7. Seek help if you are worried about your progress.
8. Tell us openly and honestly your feedback about the progress of the year.

**How much work you are expected to do?**

It is very difficult to give you precise guidance on how much work you should do during this year as everyone learns at different speeds. This is a full-time course and it is expected therefore that your time Sunday – Thursday (8-3) will be devoted to your studies. In addition it is likely that you will need to

spend at least few hours most evenings studying. When comparing yourself to your peers you should compare your level of knowledge, and not the amount of time taken to attain it!

Formative assessments throughout the year will help you compare your progress with our expectations and your peers.

#### **Venues of learning:**

- **Lectures:** All lectures will be delivered online.
- **Seminars and tutorial:** these sessions will be held in different small rooms dispersed across the college. Each session must contain instruction about the location of small rooms specific for that session, or a main lecture room to start with and then distributed to small halls.
- **The early clinical exposure** teaching sessions will be held at Al-Kindy Teaching Hospital, and in the skill laboratory.
- **Practical sessions** will be held in the laboratory of the concerned department.
- **Library**
  - You should check the timetable to confirm where your teaching will take place.

#### **Attendance / Absence**

Students are required by university regulations to be present during day time from 8:00 a.m. till 3:30 p.m. Student attendance at all year three teaching is compulsory. This means that you are required to attend all:

- Lectures
- Clinical teaching sessions
- Practical classes
- Small group sessions
- Feedback sessions
- Formative assessment and review sessions
- Clinical skills teaching (lectures and skills laboratory sessions)

Students who fail to attend for any reason is instructed to notify the school and give the reason why he/she was unable to attend. Failure of students to attend (unauthorized absence) for 10% of total hours is subjected to disciplinary actions (from alarming him till review with MEU committee / head / deputy dean and if absence reached 15% the student is subjected to further disciplinary action. This ranges from a meeting with the year coordinator to (in the worst cases) referral to deanery with a view to expulsion.

**Assessment:** There are two parts of Assessments:

1. **Formative assessment:** These assessments occur at specified dates of the time-table and are compulsory. You will be presented with questions either in Lecture halls or on-line. The questions are in a similar format to those you will encounter in the end-of module/semester summative assessments and are to allow you to monitor your progress. Your marks are not recorded for summative purposes and will not count towards your degree. During the timetabled session, a tutor will discuss the answers with the class. It is in your best interests to

complete the formative assessment questions so that you can monitor your progress through the module and identify any areas where additional work is required.

2. **Summative Assessment:** This assessment is designed to test core knowledge and thus you may be asked questions on any area that has been covered in the lectures and Small group Learnings. Each part of the module is equally important and you should expect the balance of questions in the examination to reflect the balance of teaching in the module. These assessments also occur at specified dates of the time-table; you should make use from your experience in formative assessments. Here your marks will be recorded for summative purposes and will count towards your degree and progress to next year.
3. **Objective Structured Practical Examination (OSPE):** This will be performed at the end of each semester which is a multi-station examination consists of approximately 10-20 stations. One minute for each station.

### Student Assessment includes:

<b>Continuous assessment</b>	<b>30%</b>
<b>Includes : Quizzes</b>	<b>5%</b>
<b>Practical</b>	<b>5%</b>
<b>Active participation</b>	<b>5%</b>
<b>End module exam</b>	<b>15%</b>
<b>Final end semester exam. Include:</b>	<b>70%</b>
<b>OSPE</b>	<b>20%</b>
<b>Written exam</b>	<b>50%</b>
<b>Total</b>	<b>100%</b>

### Re-sit Examinations

Students who fail in a module of first or second semester will be required to re-sit (second sitting) prior to the beginning of the next year (usually in September), the entire examination in the same format and duration as the original or in an equivalent format as deemed appropriate by the examiners including both OSPE & theory exams. Students, who fail at the second-sitting examination, will be allowed to re-sit the year with full attendance.

## Appendix I: List of Modules, Module coordinators and Co-Coordinators

Module	Co-coordinator	Email	Co-coordinator	Email
Nervous system	أ.م.د. ليث ثامر	Laiththamer @kmc.uobaghdad.edu.iq	أ.م. هدى سليم	Hudasaleem @kmc.uobaghdad.edu.iq
Integumentary	أ.م.د. محمد ياسين	Mohammedyassin @kmc.uobaghdad.edu.iq	م.د. شذى صلاح	Shathasalah @kmc.uobaghdad.edu.iq
Endocrine	م.د. مهند منذر	Mohanedmonther @kmc.uobaghdad.edu.iq	أ.م.د. رعد عماد الدين	Ragademadaldeen @kmc.uobaghdad.edu.iq
Renal	م.د. حارث محمد	Humannbeing @yahoo.com	الطبيب سيف الدين عادل	
Reproductive	أ.د. بتول مطر	Batoolmutar @kmc.uobaghdad.edu.iq	أ.م.د. هيام رؤوف	Hyamalhamamy @kmc.uobaghdad.edu.iq
Community	أ.د. محمد اسعد	Mohammedasaad @kmc.uobaghdad.edu.iq	أ.م.د. اسيل سمير	Aseelsameer @kmc.uobaghdad.edu.iq
Research	أ.د. هدى عدنان	Hudaadnan @kmc.uobaghdad.edu.iq	أ.م.د. احمد عبد مرزوك	Ahmedabed @kmc.uobaghdad.edu.iq

## Appendix II Timetable design of each week

Day & Date	8-12:30 Clinical/Practical/SGT	12:00-1:00 Lecture 1	1:00-2:00 Lecture 2	2:00-3:00 Lecture 3
Sunday				
Monday				
Tuesday				
Wednesday				
Thursday				

### Appendix III Typical Time Schedule for Research Project

Semesters	1 <sup>st</sup> semester				2 <sup>nd</sup> semester				Total Marks 100
Weeks  Activity	1-2	2-5	6-8	9-15	1-4	5-7	8-11	12-15	
	Project proposal Preparation and approval		Data collection and entry		Data Analysis & result writing		Project writing & presentation		
Briefing of project Course									-
Select Discipline for project									-
Select a Place of Attachment									-
Select a Project in the Chosen Discipline									-
Preparation and Presentation of Proposal to Supervisor									-
Submit a copy of the Approved Proposal (10marks)									10
Submit your recommendation letter to the chosen project center									-
Submit a copy of confirmation acceptance letter from the project centers to the elective coordinator									-
Collect data for the Approved Proposal									-
Analyze data									40
Write a result and Project draft (40 marks)									-
Submit & Present Project Report (50 marks)									50