



# UNIVERSITY OF AL-QADISIYAH

## COLLEGE OF MEDICINE

YEAR Three HAND BOOK

2025-2026



### YEAR THREE DIRECTORS

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### **Year three Coordinators**

**Professor Dr. Shoroq Mohamed AL-Temimi**  
**Professor Dr. Ibrahim Abdulmajeed Al-tamemi**  
**Professor Dr. Adel shaker Al-temimi**  
**Professor Dr-Sinaa Abdul Amir Kadhim**  
**Professor Dr.Radhi F. slash**  
**Lecturer Dr- Ali Abdulhussin mousa**

## Welcome letter

Dear third year students,

Welcome to the third year of your study in the College of Medicine / Al-Qadisiyah University. We are the faculty members; we look forward to guiding and supporting you in your pursuit of becoming excellent healthcare professionals. We are here to help you succeed and achieve your goals, in addition 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 subjects that will go through the whole academic year, during the first and second semester of your Year three in the College .The semester will contain large group lectures (LGT), laboratory sessions for basic sciences , clinical sessions , Small Group Learning (SGL) and seminars. Year third will include 9 subjects (systemic pathology , pharmacology , microbiology , parasitology ,Surgery, Medicine, Communication skill , medical research methodology and biostatistics ) and lastly Arabic . The students will be divided into 6 groups (A, B, C, D, E and F ) . Each group will get training in 6 subjects that will go through the whole academic year, during the first and second semester .

We shall begin the year with an introductory session briefing the whole year regarding objectives, timetable, and assessment. From this session we will advance to learning about major systems of the human body along courses one & two, detailed learning objectives will be provided at the beginning of each unit of subject . To assist students in learning, subjects employ a variety of activities including lectures for each subjects , with laboratory guide through small group discussions, and clinical problem solving cases for each basic sciences (systemic pathology, Pharmacology , Microbiology , Parasitology , medical research methodology and biostatistics) and clinical session for Medicine for history taking from patients and physical examination .

The problem base learning through Integrated learning activities. In addition, students are expected to self-study the required readings provided from textbooks .

At the same time, you will continue to develop an appreciation of personal and professional development, communication skills, and attitude .

As a Year Coordinators, we will be happy to help you throughout your study, and to answer your questions and queries directly or throughout the year and you should not hesitate to contact us (Appendix I) .

We will be happy to receive formal or informal feedback from you about the educational program at any time ,personally via your representatives, or through discussion forums in department .

We hope that you will enjoy year Third , Third year directors

### **Aims and Objectives of Year three:**

Year third in College of Medicine; University of Al-Qadisiyah aims to encourage students to possess all essential knowledge, laboratory skills, and professionalism and acquire the habit of life-long learning to meet the health care. This would be done by enhancing students' learning abilities and assisting their intellectual maturity from basic sciences correlation with essential clinical science that would provide them with basic knowledge, skills, and behavior in order to progress successfully through next grades in College of Medicine and future Medical career.

### **Learning Objectives & Outcomes:**

**In the Third year of medical college, the curriculum is generally structured to help you understanding the basic sciences and pre-clinical training, and to deepen their appreciation of various medical specialties.**

**1- Principle knowledge of major basic branches regarding basic sciences by building on previous knowledge from first and second year and through Integration of basic science concepts with clinical reasoning.**

**2-Problem based learning (PBL) sessions are going to include selected common and emergent and critical problems that will be faced by students in their later life of studying and practicing medicine.**

**3-Small groups student based learning sessions will help students to communicate and cooperate in order to reduce time needed to build up the required deep and enormous pathologic information and to motivate students toward active process of learning.**

**4- Recognize the common pathology of human body which include (cardiovascular system, Endocrine, Respiratory, Renal/ genital tract, gastrointestinal / exocrine (liver and pancreas), Hematology, & neurology).**

**5- Explain the etiology, pathogenesis, clinical manifestations of diseases, laboratory findings and management of specialized disease.**

**6- List the common causative microorganisms, outline the pathogenesis of pathogens and their modes of spread, describe the clinical findings and possible complications of infection in different age groups,**

**7- Choice laboratory tests applied in diagnosis and assessment of specific disease in order to solve clinical problems and describe the basic principles of prevention of infection in hospitals.**

**8- Head line the presenting problems in immune deficiency, define acute and chronic inflammation, list the factors predisposing to autoimmune disease, classify autoimmune diseases, describe the main clinical features and immune-pathogenesis, classify organ transplant rejection, classify immunosuppressant and interpret immunology laboratory reports.**

**9- Practical labs will be directed to create objective knowledge by students about cultures media and microscopic finding about bacterial , parasite following each disease process.**

**10- Demonstrate the morphological manifestations of almost all diseases at macroscopic and microscopic level.**

**11- How to write prescription (prescription writing) of therapeutic options relevant to the various etiologies of disease , route of administration , mechanism of action , dosage and contraindication of drugs .**

**12- Describe the adverse and toxic effects, and their management of commonly used groups of drugs .**

**13- Definite professional behavior in communication and in managing ethical issues.**

**14- Principal of history taking , physical examination techniques, communication with patients , in medicine, safely and correctly with appropriate informed consent and supervision.**

**15- Provide a strong foundation in anatomy, physiology, and surgical principles relevant to various procedures.**

**16- Explain the importance of research in evidence base practice and decision –making .**

**17-The basic components of a research process , problem identification , literature review , hypothesis formulation , data collection , analysis and conclusion**

**18- Describe the bases and principles of acid- base balance and the proper guidelines for assessing them.**

**19-Outline on hypovolemic shock and the proper management of hemorrhage**

**20- Equip students with hands-on skills in surgical techniques, suturing, and patient management in the operating room.**

**21-Out line on research method and bio-statistical analysis and prevalence of epidemic and endemic disease which enrolled the community in term of prevention and management of common disease.**

**22- Reveal professionalism in work assignments, logbooks .**

**23 – Follow up the specific blue print for each branch of basic science to give idea about the assessment , the important and weight for each subjects**

**24 - Follow up the (Academic Program and Course Description Guide) for each branch of basic science as detailed .**

## Structure of Year Third Curriculum

During year three you will have 4 basic sciences ( systemic pathology II , pharmacology , microbiology , and parasitology) and 4 clinical sciences ( medicine , surgery , medical research methodology and biostatistics and Communication skill I ) and Arabic , that will go through the whole academic year, during the first and second semesters .

The table below shows the subjects , their total hours, number of lectures, small group learning sessions , practical hours and total credits for each subjects through annual assessment in (semester I , II).

<b>No.</b>	<b>subjects</b>	<b>Total hours</b>	<b>LGT</b>	<b>Practical hours</b>	<b>Credits</b>
1-	Systemic pathology II	180	120	60	10
2-	Pharmacology	150	90	60	8
3-	Microbiology	150	90	60	8
4-	Parasitology	90	30	60	4
5-	Medical research methodology and biostatistics	120	60	60	6
6-	Communication skill	30	30		2
7-	Medicine	120	60	60	6
8-	Surgery	30	30		2
9-	Arabic	30	30		2
	<b>Total</b>	<b>900 h</b>	<b>540 h</b>	<b>360 h</b>	<b>48 unit</b>

## Total theory and practical session hours and credits

No.	subjects	Credits theory	Credits practical and clinical session	Total Credits
1-	Systemic pathology II	4h for each semester (150h) Total credits = 8 units	2h /weekly and 60h for 30wk The total credits = 2 units	10
2-	Pharmacology	3h for each semester (90h) Total credits = 6 units	2h /weekly and 60h for 30wk The total credits = 2 units	8
3-	Microbiology	3h for each semester (90h) Total credits = 6 units	2h /weekly and 60h for 30wk The total credits = 2 units	8
4-	Parasitology	1h for each semester (30h) Total credits = 2units	2h /weekly and 60h for 30wk The total credits = 2 units	4
5-	Medical research methodology and biostatistics	2h for each semester (60h) Total credits = 4 units	2h /weekly and 60h for 30wk The total credits = 2 units	6
6-	Communication skill	1h for each semester (30h) Total credits = 2 units		2
7-	Medicine	2h for each semester (60h) Total credits = 4 units	2h /weekly and 60h for 30wk The total credits = 2 units	6
8-	Surgery	1h for each semester (30h) Total credits = 2 units		2
9-	Arabic	1h for each semester (30h) Total credits = 2 units		2
	Total	36 unit	12 unit	48 unit

## **Learning Resources**

All of the core information in third year is covered by lectures , practical sessions , small group learning sessions, problem base learning /students base learning that is associated with them , seminars and clinical sessions for medicine ( history and physical examination ) .

### **Large group lectures (LGT):-**

In third stage , about two third of the core content of the curriculum will be delivered via informative lectures. Each lecture is accompanied by lecture handouts that will be uploaded beforehand on the Medical College's website. These handouts include: the title of the lecture, the learning objectives, problem base learning , the relevance of the lecture to clinical features , laboratory test and finally short summary about the subject with give simple students base learning . Recommended reading in core textbooks is also indicated for each lecture. You are advised to read the lecture outlines prior to the lectures themselves.

### **Practical sessions:-**

Third stage contains laboratory sessions as in laboratory department like ( Systemic pathology II , Pharmacology , Microbiology , Parasitology , medical research methodology and biostatistics ) to reach your ultimate learning outcomes. With check students' lists of groups and subgroups in the laboratory room to attend the appropriate laboratory sessions .

### **Small Group Learning (SGL):-**

In each session you will be faced with a clinically orientated scenario before being asked to work in small groups in discussion under the supervision of a facilitator whose job is to encourage you to go and learn for yourself rather than to teach you best information. You are

required to read the case scenario beforehand (which is uploaded on classroom ) and prepare answers to related questions.

### **Seminars / tutorials?**

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

### **Team Based Learning (TBL):-**

The TBLs are distributed for medical branch . In each session the objectives and students' tasks will be announced earlier to be discussed later within groups. Practicing history and focused history will be done at the hospital wards according to the schedule assigned within the clinical medicine by departments of Medicine, sometimes you will be faced with a clinically orientated scenario before being asked to work in small groups in discussion under the supervision of a facilitator whose job is to encourage you to go and learn by yourself. Your performance during these sessions will be evaluated by the facilitator according to a check list.

### **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.

### **Students base 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.

### **What do you expect from us?**

-Well organized timetable published on the College's website and handbook, a primary design of third Year, timetable is shown in **appendix III** .

-Teaching sessions to take place as detailed in the timetable, or to be re- scheduled without delay if unavoidably cancelled.

-Lecturers to be uploaded on the net before the date of the teaching sessions.

-The teaching sessions should deliver the core information detailed in the objectives and lecture outlines

- Hand book to be prepared for each subject.

-Help and advice from the year coordinators, group moderators and lecturers if required .

- Describe the (Academic Program and Course Description Guide) for each branch of basic science as detailed .

- Describe the (blue print ) for each branch of basic science as detailed .

### **What do we expect from you?**

-Prepare for formal teaching sessions by reading the outlines, including the aims and objectives, and by referring to the recommended background reading.

-Attend all formal learning sessions and arrive promptly on time.

-Be responsible for your own learning .

**-Behave courteously to your colleagues and the lecturers during the learning sessions.**

**-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 .**

**-Monitor your own progress by attending and participating in the formative assessment forms .**

**-Seek help if you are worried about your progress.**

**-Tell us openly and honestly your feedback about the progress of the year.**

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

**It is very hard to give you exact guidance on how much work you should do during this year as everyone learns at different speeds. This is a part-time course and it is expected therefore that your time Sunday – Thursday (8:30 -3:30) will be devoted to your studies. In addition it is likely that you will need to occupy at least few hours most evenings studying.**

**When comparing physically 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:**

**-All lectures will be held in large lecture apartment**

**-TBL sessions will be held in different small rooms supplied with audiovisual aids dispersed across the college. Each TBL session must contain instruction about the location specific for that session, or a main lecture room to start with and then distributed to small halls .**

**-The Clinical teaching sessions will be held at Al-Diwanyia Teaching Hospital, at the beginning you will visit the Secretaries of Department**

of Medicine to distribute the groups on different wards or on different mini halls.

-Practical sessions will be held in the laboratory ( Lab I , Lab II) of the concerned department.

-Skill laboratory: found beside of the Basic sciences building .

-Library: found in the first floor - near the interior student housing building / near the college of dentistry building.

-You should check the timetable to confirm where your teaching will take place as shown in **appendix III** .

### **Attendance / Absence**

Students are required by university regulations to be present during day time from 8:30 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(in lecture halls ).

-Clinical teaching sessions.

-Practical classes.

-Team Based learning sessions.

-Feedback sessions.

-Formative and summative assessment .

**Assessment according to ( blue print and bloom levels ) and regarding to learning outcome :-**

In College of Medicine; 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 in class room on-line. The questions are in a similar format to those you will encounter in the end-of course of 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 subject intake and identify any areas where additional work is required. In addition to the written formative assessments, there will be the opportunity to attempt formative assessment questions in the clinical teaching sessions, SGT sessions and practical classes .

There are at least 1-2 formative exam for each subject through online by classroom , or in LGL , or small group teaching , to let students experience exam and to assess their learning capacity during the course . However , the formative exam have no mark (Note: all student should participate in the formative exam) .

## 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 LGTs, Clinical Teaching Sessions, TBLs, and practical sessions. Each part of the basic sciences and clinical subject is equally important and you should expect the balance of questions in the examination to reflect the balance of teaching in the subject . 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.

single summative exam for ( 1<sup>st</sup> mid semester , 2<sup>nd</sup> mid semester and half year ) while the final year summative exam there are a second trial ( theory and practical ) if fail .

**The classification of summative assessment as the following :-**

Student Assessment of Year three as shown in Examinations description table which includes :-

### 1- Continuous progress test ( CPT ) :-

It comprises students' performance in constructive quizzes during the large group teaching lectures in addition to their participation by interactive teaching and their response to questions during the lectures . The answer is discussed immediately after the quiz so the students can have a feedback of their performance . The quiz is usually either (a problem solving question with photos to explain the case , multiple choice questions , short essay , oral ) intended to test students' knowledge , critical thinking , analysis and intellectual skills , of previously presented lectures . And also can assessment through students base learning through case report , log book , skills and seminars are recommended . There are 10-15 quizzes during the course .

### 2- 1<sup>st</sup> Mid semester exam:-

Is done at the 1<sup>st</sup> semester . It includes theory and practical exam .

### 3- Half year summative exam :-

Applied at the end of semester I . It includes theory exam.

### 4- 2<sup>nd</sup> Mid semester exam:-

Is done at the 2<sup>nd</sup> semester . It includes theory and practical exam .

### 5-Final year summative exam:-

Is done at the end of 2<sup>nd</sup> semester . It includes theory and practical exam .

**Assessment of skills:-** This year students will be exposed skills' assessment. Basic sciences and clinical skills throughout the year will be assessed by mastery assessment , at the end of the each course , as shown in **appendix II** . However , the Skills assessment have marks according to grading system for each subjects .

### **3-Final summative exam:-**

Is done at the end of semester II . It includes theory and practical exam .

#### **The aim of summative and formative examination :-**

To evaluate knowledge , critical thinking , analysis and problem solving abilities . Approximately 60-70% of question test knowledge and 30-40% test critical thinking and problem solving abilities

\* The question formats through writing papers :-

#### **1- Theory exam which compose the following instruction :-**

##### **Paper part I :-**

Single Best Answer question . Candidates mark a computer-read form to indicate their answer to the question. Candidates are awarded (+1) mark for every correct answer and (0) for an incorrect answer. Abstentions receive (0 ) Marks are not deducted for incorrect answers. Computer scans are made by using individual student examination numbers to identify scripts. While every effort is made to identify any unlabeled / incorrectly labeled / illegible scripts, those not conforming to the instructions to candidates may be discarded. All rough work is written on the question paper, which must be left in the examination hall. Any student who removes the question paper from the examination hall will be disqualified and referred to College Council.

##### **Paper part II :-**

Short answer question paper:- This part consists of short answer questions or modified essay questions that may be based on brief clinical scenarios.

#### **2- Practical exam which compose the following instruction :-**

**A- Practical exam** :- It is a practical, clinically oriented and diagnostic examination consists of approximately 10-20 MCQ . This will be performed at 1<sup>st</sup> and 2<sup>nd</sup> mid semester and final exam .

**B-History taking exam:-** Oral Presentation of History Taking will be assessed at the end of 1<sup>st</sup> course as a part of Clinical Attachments .

**C - The steps of the physical examination** :- at least a part of each system will be assessed at the end of 2<sup>nd</sup> course as a part of Clinical Attachments.

**Log book :-** for each basic clinical sciences and clinical department according to stage students , and each branches of medical college. Completion of Logbook is a must in order to attend the final exam.

**NOTE /** He/she will never sit for the final course written exam unless he/she completed the sit requirements including , attendance, log book documentation and skills mastery.

\*Time for 1<sup>st</sup> mid semester and 2<sup>nd</sup> mid semester exam would be 1 hour, and 2hour for half year exam , and final year theoretical exam would be 3 hours and final year practical exam for 30minute .

**Examinations description table :-**

Examination	Description	marks
1- 1 <sup>st</sup> Mid semester theory exam	Short answered questions, M.C.Qs. , case presentation with short answer and Continuous progress test (CPT)	10 M
2-Half year exam	Short answered questions, M.C.Qs. , case presentation with short answer	20M
3-2 <sup>nd</sup> Mid semester theory exam	Short answered questions, M.C.Qs. , case presentation with short answer and Continuous progress test (CPT)	10M
4-Final year theory exam	Short answered questions, M.C.Qs. case presentation with short answer and matching .	40-45 M
5- Final year Practical exam	History taking , physical examination , prescription writing , M.C.Q	15-20 M

The minimum passing grades (Faculty by laws) is 50 marks.

**\*Re-sit Examinations :-** Students who fail in the final graded mark will be required to re-sit (second sitting) the Final year examination ( theory and practical exam) . Students, who fail at the second-sitting examination, will be allowed to re-sit the year with full attendance.

**To evaluate assessment of students by :-**

**The final graded mark**

The annual assessment marks (40m) has been calculated as :-

10 marks for 1<sup>st</sup> mid semester summative exam ( theory exam and CPT) .

10 marks for 2<sup>nd</sup> mid semester :- summative exam ( theory exam and CPT) .

20 marks for half year exam ( theory exam ) .

60 marks for final year exam ( 15-20M for practical exam and 40-45 for theoretical exam ) .

## **References & textbooks: -**

During each course , you will learn about several subjects related to a common system or core clinical problem, the following list of references will aid your learning process:

- 1- Davidson's principles& Practice of Medicine 21<sup>st</sup> Edition
- 2- Harrison's Principles of Internal Medicine, 17<sup>th</sup> Edition
- 3- Bailey and Love's Short Practice of Surgery 25<sup>th</sup> Edition/ HODDER ARNOLD
- 4- Clinical Surgery by Michael M Henry& Jeremy N. Thompson 2nd Edition / ELSEVIER
- 5- Macloed Clinical Examination
- 6- Robbins & Cotran Pathologic Bases of Diseases 10<sup>th</sup> edition
- 7- Paniker's Textbook of Medical Parasitology, 7<sup>th</sup> Edition
- 8- Faust & Russell's Clinical Parasitology, 9<sup>th</sup> Edition.
- 9 - Basic and Clinical Immunology, Stites, Stobo, Fudenberg and Wells. Lange Medical Publishing.
- 10- Clinical Immunology, Brostoff, Scadding, Male and Roitt. Gower Medical Publishing.
- 11- Immunology, Roitt, Brostoff and Male. Gower Medical Publishing.
- 12- Jawetz, Melnick&Adelberg's Medical Microbiology, Brooks, Butel and Morse. Cal Books/McGraw-Hill Publishers.
- 13- Laurence text book for pharmacology
- 14- "Lippincott's Illustrated Reviews – Pharmacology"
- 15- Weyee Statistics in medicine
- 16- Biostatistics, Danials book

## Appendix I :-

### List the basic sciences , clinical subjects with moderators

	subject	Moderators
1-	Systemic pathology II	Dr Shoroq Mohamed Al-Temimi: <a href="mailto:shoroq.abas@qu.edu.iq">shoroq.abas@qu.edu.iq</a> Dr. Aws Alsali: <a href="mailto:aws.alsalih@qu.edu.iq">aws.alsalih@qu.edu.iq</a> Dr. Maather Hussein: <a href="mailto:maather.hussein@qu.edu.iq">maather.hussein@qu.edu.iq</a> Dr. Esraah Alharris: <a href="mailto:esraah.alharris@qu.edu.iq">esraah.alharris@qu.edu.iq</a> Dr. Dina saleh: <a href="mailto:dina.saleh@qu.edu.iq">dina.saleh@qu.edu.iq</a> Dr. Hussain Abd Al-zahre
2-	Microbiology	<b>Bacteriology</b> Dr. Manal Mohammed Khadin: <a href="mailto:Manal.kadhim@qu.edu.iq">Manal.kadhim@qu.edu.iq</a> Dr. Ibtisam Habeeb saeed: <a href="mailto:ibtisam.alazzawi@qu.edu.iq">ibtisam.alazzawi@qu.edu.iq</a> Dr. Orass Madhi Shaheed: <a href="mailto:Orass.shaheed@qu.edu.iq">Orass.shaheed@qu.edu.iq</a>  <b>Immunology</b> Dr. Ibrahim Abdulmajeed Altamemi: <a href="mailto:Ibrahim.altamemi@qu.edu.iq">Ibrahim.altamemi@qu.edu.iq</a> Dr. Israa Abdulwahid Deep: <a href="mailto:Israa.alani@qu.edu.iq">Israa.alani@qu.edu.iq</a>  <b>Virology</b> Dr. Wisam Salih Abood: <a href="mailto:Wisam.abood@qu.edu.iq">Wisam.abood@qu.edu.iq</a>  <b>Mycology</b> Dr. Adnana Hamad Uobeed: <a href="mailto:Adnan.uobeed@qu.edu.iq">Adnan.uobeed@qu.edu.iq</a> Dr. Heaim Qaid: <a href="mailto:Heam.muhammad@qu.edu.iq">Heam.muhammad@qu.edu.iq</a>  <b>Parasitology</b> Dr. Ghada Basil Ali: <a href="mailto:Ghada.alomashi@qu.edu.iq">Ghada.alomashi@qu.edu.iq</a> Dr. Anwar salih Saihood: <a href="mailto:Anwar.saihood.@qu.edu.iq">Anwar.saihood.@qu.edu.iq</a> Dr. Hams Hussain Hashim: <a href="mailto:Hams.hashim@qu.edu.iq">Hams.hashim@qu.edu.iq</a> Dr. Saba Salih Saihood: Dr. Azhar Ali: <a href="mailto:Azhar.ali@qu.edu.iq">Azhar.ali@qu.edu.iq</a>
	pharmacology	Dr. Sinaa Abdul Amir Kadhimi: <a href="mailto:sinaa.kadhimi@qu.edu.iq">sinaa.kadhimi@qu.edu.iq</a> Dr. Bassim I Mohammad: <a href="mailto:bassim.mohammad@qu.edu.iq">bassim.mohammad@qu.edu.iq</a> Dr. Asma abduljaleel swadi: <a href="mailto:asma.althuwaynee@qu.edu.iq">asma.althuwaynee@qu.edu.iq</a>
	Medicine	Dr. Ali talib: <a href="mailto:ali.talib@qu.edu.iq">ali.talib@qu.edu.iq</a> Dr. Ali fawzi: <a href="mailto:ali-fawzi@qu.edu.iq">ali-fawzi@qu.edu.iq</a> Dr. Bahaulddin: <a href="mailto:Bahaulddin@gmail.com">Bahaulddin@gmail.com</a> Dr. hazem alkhafaji: <a href="mailto:hazem.alkhafaji@qu.edu.iq">hazem.alkhafaji@qu.edu.iq</a>
	Surgery	Dr. Adel shaker al-temimi: <a href="mailto:Adel.altamimi@qu.edu.iq">Adel.altamimi@qu.edu.iq</a> Dr. Ali abdalhussein handooz: <a href="mailto:ali.handooz@qu.edu.iq">ali.handooz@qu.edu.iq</a> Dr. Ahmed miri: <a href="mailto:ahmiri@qu.edu.iq">ahmiri@qu.edu.iq</a> Dr. Rami Sabah alshemerty: <a href="mailto:rami.alshemerty@qu.edu.iq">rami.alshemerty@qu.edu.iq</a>
	Medical research methodology and biostatistics	Dr. Ali abdalhussein alebraheemi: <a href="mailto:Ali.alebraheemi@qu.edu.iq">Ali.alebraheemi@qu.edu.iq</a> Dr. Fatima alkhaldi: <a href="mailto:fatima.alkhalidi@qu.edu.iq">fatima.alkhalidi@qu.edu.iq</a> Dr. Ahmed kadhemi

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	Communication skills	Dr. Fatima alkhaliidi : <a href="mailto:fatima.alkhalidi@qu.edu.iq">fatima.alkhalidi@qu.edu.iq</a> Dr. Ahmed kadhemi : <a href="mailto:Ahmed.kadhimi.c@qu.edu.iq">Ahmed.kadhimi.c@qu.edu.iq</a> Dr.jinan.al-awadi: <a href="mailto:Jinan.al-awadi@qu.edu.iq">Jinan.al-awadi@qu.edu.iq</a>
	Directors	Professor Dr. Shoroq Mohamed AL-Temimi : <a href="mailto:shoroq.abas@qu.edu.iq">shoroq.abas@qu.edu.iq</a> Professor Dr. Manal Mohammed Khadin : <a href="mailto:Manal.kadhimi@qu.edu.iq">Manal.kadhimi@qu.edu.iq</a>

## Appendix II: List of Skills in 3th year:

1- FNA cytology and biopsy with pap smear	Pathology
2- A- Prescription writing B- Injection Techniques -Intramuscular -Subcutaneous - Intradermal - intravenous C- Cannula insertion	Pharmacology
3- A-Principle technique of serological test and interpretation B- Sample collection Interpretation of antibiotic sensitivity test C-identification of common pathogens	Microbiology
4- <u>First course</u> A-History taking B- Patient safety  <u>Second course</u> A-Physical Examination Techniques:- -General inspection -Palpation -Percussion -Auscultation  B. Cardiovascular Examination -Heart sounds - Peripheral pulses - Jugular venous pressure  C. Respiratory Examination - Lung sounds - Chest expansion - Percussion of the lungs D. Abdominal Examination - Inspection - Palpation - Percussion - Auscultation E. Neurological Examination	Medicine

<ul style="list-style-type: none"><li>- Cranial nerves</li><li>- Motor and sensory examination</li></ul> <p><b>Reflexes</b></p> <ul style="list-style-type: none"><li>- Coordination and gait</li></ul> <p><b>F. Musculoskeletal Examination</b></p> <ul style="list-style-type: none"><li>- Joint inspection and palpation</li><li>- Range of motion</li><li>- Muscle strength testing</li></ul>	
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**Appendix III :- Time table for daily sessions for stage Three**

Appendix III :- Time table for daily sessions for stage Three



جدول الصف الثالث / الفصل الأول (النظام السنوي) للعام ٢٠٢٥-٢٠٢٦ (قاعة المؤتمرات)



3:30-2:30	2:30-1:30	1:30-12:30	12:30-11:30	11:30-10:30	10:30-9:30	9:30-8:30	يوم
	Pathology discussion	Medical research Methodology & Biostatistics		Surgery	Pathology		الأحد
Pharmacology discussion	C1+C2- Practical+ PBL Pathology D1+D2- Practical+ PBL Pharmacology E1+E2- Practical+ PBL Parasitology F1+F2- Practical+ PBL Microbiology A1+A2- Medical research meth B1+B2-Practical+ PBL Medicine		D1+D2C1+C2- Practical+ PBL Pathology E1+E2- Practical+ PBL Pharmacology F1+F2- Practical+ PBL Parasitology A1+A2- Practical+ PBL Microbiology B1+B2- Medical research meth C1+C2-Practical+ PBL Medicine		Pharmacology		الاثنين
	B1+B2-Practical+ PBL Pathology C1+C2- Practical+ PBL Pharmacology D1+D2- Practical+ PBL Parasitology E1+E2 - Practical+ PBL Microbiology F1+F2-Medical research meth A1+A2-Practical+ PBL Medicine		A1+A2- Practical+ PBL Pathology B1+B2- Practical+ PBL Pharmacology C1+C2- Practical+ PBL Parasitology D1+D2- Practical+ PBL Microbiology E1+E2-Medical research meth F1+F2-Practical+ PBL Medicine		Medicine		الثلاثاء
	F1+F2-Practical+ PBL Pathology A1+A2- Practical+ PBL Pharmacology B1+B2- Practical+ PBL Parasitology C1+C2- Practical+ PBL Microbiology D1+D2-Medical research meth E1+E2-Practical+ PBL Medicine		E1+E2- Practical+ PBL Pathology F1+F2- Practical+ PBL Pharmacology A1+A2- Practical+ PBL Parasitology B1+B2- Practical+ PBL Microbiology C1+C2- Medical research meth D1+D2-Practical+ PBL Medicine		Microbiology	Pharmacology	الأربعاء
	Communication skill	Parasitology		Pathology		Microbiology	الخميس

إ.د. نائل محمد سرheed المحترمي

إدارة شؤون عمالقة التعليم  
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Prof. Dr. Nael Mohammed Sarheed  
Assistant Dean of Scientific and  
postgraduate studies

Appendix III :- Time table for daily sessions for stage Three



جدول الصف الثالث / الفصل الاول (النظام السنوي) للعام ٢٠٢٥-٢٠٢٦ (قاعة المؤتمرات)

3:30-2:30	2:30-1:30	1:30-12:30	12:30-11:30	11:30-10:30	10:30-9:30	9:30-8:30	اليوم
	Pathology discussion	Medical research Methodology & Biostatistics		Surgery		Pathology	الاحد
Pharmacology discussion	C1+C2- Practical+ PBL Pathology D1+D2- Practical+ PBL Pharmacology E1+E2- Practical+ PBL Parasitology F1+F- Practical+ PBL Microbiology A1+A2- Medical research meth B1+B2-Practical+ PBL Medicine		D1+D2C1+C2- Practical+ PBL Pathology E1+E2- Practical+ PBL Pharmacology F1+F2- Practical+ PBL Parasitology A1+A2- Practical+ PBL Microbiology B1+B2- Medical research meth C1+C2-Practical+ PBL Medicine			Pharmacology	الاثنين
	B1+B2-Practical+ PBL Pathology C1+C2- Practical+ PBL Pharmacology D1+D2- Practical+ PBL Parasitology E1+E2 - Practical+ PBL Microbiology F1+F2-Medical research meth A1+A2-Practical+ PBL Medicine		A1+A2- Practical+ PBL Pathology B1+B2- Practical+ PBL Pharmacology C1+C2- Practical+ PBL Parasitology D1+D2- Practical+ PBL Microbiology E1+E2-Medical research meth F1+F2-Practical+ PBL Medicine			Medicine	الثلاثاء
	F1+F2-Practical+ PBL Pathology A1+A2- Practical+ PBL Pharmacology B1+B2- Practical+ PBL Parasitology C1+C2- Practical+ PBL Microbiology D1+D2-Medical research meth E1+E2-Practical+ PBL Medicine		E1+E2- Practical+ PBL Pathology F1+F2- Practical+ PBL Pharmacology A1+A2- Practical+ PBL Parasitology B1+B2- Practical+ PBL Microbiology C1+C2- Medical research meth D1+D2-Practical+ PBL Medicine		Microbiology	Pharmacology	الاربعاء
	Communication skill	Parasitology		Pathology		Microbiology	الخميس

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