UNIVERSITY OF BAGHDAD
COLLEGE OF MEDICINE

YEAR TWO HAND BOOK
(2025 – 2026)

Year two coordinators
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Content:

Welcome 2st year students

Welcome to the second year of your undergraduate study at the University of Baghdad/College of Medicine. All of us here wish you all the success in your present studies and future career.

The second year of your medical study is designed not only to give you a thorough knowledge of that science base, but also to make you aware that, because this knowledge base is continually changing, you will need to develop this knowledge and its application during your professional career. We will encourage you to adopt an approach to learning based on curiosity and the exploration of knowledge, rather than its passive acquisition, because we believe it is essential for you to develop the ability to apply new knowledge and adapt to changing circumstances in your professional life. We will also help you to develop your intellectual skills by practicing a few important clinical skills, attitude, and knowledge**,** skills which can be transferred to later stages of your medical education.

Our duty is to ensure that you, as a doctor, possess all the required knowledge and skills, and also demonstrate appropriate professional behaviors and practice ethically.

This handbook describes the modules of Semester **I** and Semester **II** of your Second Year in Medical College. we wish to support you in adapting to what you may sense as new approaches to learning and to assist you in making the transition to year three as smooth as possible.

Year two will allow you to learn the normal structure and function of the human body to the level required to be a junior doctor. At the same time, you will start to develop an appreciation of personal and professional development, communication skills, and medical ethics.

As a Year Coordinator, I will make every effort to be available to answer problems and queries throughout the year, and you should not hesitate to contact me or module moderators personally (Appendix I).
Please feel free to give formal or informal feedback about the academic organization of the module at any time. If, for any reason, you are experiencing academic difficulties with the course, please let us know as soon as possible.

We hope that you enjoy year two!

Aims & Objectives of Year TWO:

Year two at the University of Baghdad/College of Medicine aims to expose students to the best environment for starting a life-long medical career by enhancing students' learning abilities and assisting their intellectual maturity from high school to college through essential modules that would provide them with basic knowledge, skills, and attitude to progress successfully through the next grades in the College of Medicine.

By the end of this year, students will be able to:

1. Value the significance of inherited diseases and birth defects as major health problems and the genetic factors as an important cause of disease and to analyze cases of genetic origin concerning the basic defect, mechanism of the disease process, relation to signs and symptoms, methods of treatment/prevention whenever possible, moreover, to describe the basic genetic testing and their uses, advantages and limitations
2. Demonstrate applied knowledge of Pathology by describing the main aspects of the major disease processes covered in the course: etiology, pathogenesis**,** structural, functional changes at tissue (cellular and subcellular levels), and clinical significance, as well as demonstrate knowledge about the use of some pathological, immunological, and microbiological investigations
3. Define neoplasm, understand the nomenclature of tumors, the molecular bases of cancer, and the immune response to cancer
4. Recall knowledge of human structure (head and neck), function, embryological development, and principles of histology, and correlate this knowledge with clinical context.
5. Describe the histology, gross anatomy, physiology, and embryological development of the peripheral and the central nervous system, the eye, and the ear.
6. Examine sensory and motor systems, visual acuity, visual field, color vision, and hearing
7. Acquire progressively increasing knowledge and understanding of the normal structure and function of the body's organ systems, namely, the urinary system, the endocrine and reproductive system, and the digestive system, with the common diseases that affect these systems
8. Master basic skills (including the use of dipsticks in urine examination, including protein and glucose in urine, how to interpret renal function, and practice the use of a glucometer) and value the importance of these in terms of overall clinical examination
9. Define the terms used in Pharmacology, including Pharmacokinetics, pharmacodynamics, and the nomenclature of drugs.
10. value the concepts of public health passing through global public health achievements and role in promoting health, including the determinants of health, and to demonstrate the relevance of epidemiology and public health to physicians
11. Becoming proficient in using the internet to search for up-to-date medical information .Gaining deeper knowledge of the SPSS statistical program, Becoming familiar with AI tools

Structure of Year Two Curriculum:

Year two of undergraduate medical study at the University of Baghdad/College of Medicine in its system-based integrated curriculum consists of two semesters; each semester contains several modules. Some modules run in parallel and others successively.

Year Two Modules 2025-2026

- **Human Structure and Function II (HSF-II)**
- **Neuroscience (NS-I)**
- **Clinical Laboratory Sciences (CLS)**

CLS-Path
CLS-GBD
CLS-M

- **Principles of Pharmacology (PP)**
- **Student Selected Component-II (SSC-II)**
- **Systemic Module-II (SM-II)**

Urinary System (US)
Digestive System (DS)
Endocrine and Reproductive System (ER)

- **Principles of Public Health (PPH)**
- **E-Learning-II (EL-II)**
- **Student Selected Component-II (SSC-II)**
- **Baath crimes (BC)**

Year 2

Semester	Module	Theory hours	Practical hours	Clinical hours	Credits
	Human Structure and Function 2 (HSFII)	118	21	-	9
	Neuroscience 1 (NS1)	76	15	-	6
	Clinical Lab Science (CLS)	71	15	-	5
	Principles of Public Health (PPH)	40	-	-	3
	Principles of Pharmacology (PP)	40	-	-	3
	Systemic Module 2 (SM II)	113	15	-	9
	Student Selected Component 2 (SSC II)	10	60	-	3
	E. learning	15	20		2
	Baath Crimes	30	-	-	2
Total		513	146	-	42

Year Two Credits 2025-2026

Learning Resources:

All of the core information in this year is covered in lectures, practical sessions, seminars, team-based learning sessions, interactive learning activity, and small group learning sessions, 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. Some lecturers also suggest further reading for those who wish to explore a topic in more detail than is required by the core curriculum. The detailed titles of the textbooks, the journals, websites and other recommended references will be found within the lectures' PPT that are uploaded on INLE (the Medical College's website). The recommended textbooks & websites:

Anatomy	• Moore, K.: Essential Clinical Anatomy. • Drake, R., Wayne, V. & Mitchel, A.: Gray's Anatomy for Students. • Agur, A. & Dalley, A.: Grant's Atlas of Anatomy. • McMinn's Clinical Atlas of Human Anatomy. • Gosling's Color Atlas & Textbook of Human Anatomy
Physiology	• Guyton and Hall Textbook of Medical Physiology • Ganong Review of Medical Physiology

pathology	• Robbins basic pathology, 2020
medical genetics	• Elements of medical genetics. By Emery & Rimoin 2010 • Robbins basic pathology, 2010 • Medical cytogenetics. By Hon Fong L. Mark, 2000 • An Introduction to Human Molecular Genetics: Mechanisms of Inherited Diseases, Second Edition By: Jack J. Pasternak, University of Waterloo, Ontario ,Canada, 2005
histopathology	• Curran's Atlas of histopathology • Junqueiras Basic Histology Text & Atlas (LANGE)
pharmacology	• Clinical pharmacology by Laurence • Basic & clinical pharmacology by Katzung(Textbooks) • Lippincott's illustrated reviews by Finkel Cubeddu & Clark
Medicine	• Davidson's Principles and Practice of Medicine, Edited by Brian R. Walker, BSc MD FRCPE FRSE, Nicki R Colledge, BSc (Hons) FRCPE, Stuart H. Ralston, MD FRCP FMedSci FRSE and Ian Penman, BSc MD FRCPE • Harrisons Principles of Internal Medicine
Biochemistry	Lippincott's illustrated reviews Biochemistry
BLS	http://www.brit-thoracic.org.uk/Portals/0/Guidelines/AsthmaGuidelines/qrg101%202011.pdf
PTC	• Primary Trauma Care Manual Standard Edition 2000 A Manual for Trauma Management in District and Remote Locations by Douglas A Wilkinson and Marcus W Skinner
E-Learning	• Cambridge IGCSE Information and Communication Technology, 3rd Edition, by Graham Brown & David Watson. • Technology in Action Complete, 16th Edition, by Alan Evans, Kendall Martin & Mary Anne Poatsy. • Introduction to Artificial Intelligence (AI), 1st Edition, by Ahmed Banafa, 2024.
ألاخلاقّيات الطبّية	• كتاب ألاخلاقّيات الطبّية. جمعّة االاطباء العالمّية. جنّف • تعلّيمات السلوك المهنيً التّي تصدرها نقابة االاطباء

Teaching methods

Lectures (LGT):

In year two, approximately half of the core content of the curriculum will be delivered via didactic lectures. Each lecture is accompanied by lecture handouts that will be uploaded on the Medical College's website. These handouts include: the title of the lecture (i.e. what the lecturer intends to teach about), the learning objectives (i.e. what you should know/be able to do after the lecture), 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 a number of practical sessions as dissection and demonstrations in anatomy, microbiology, histology, and physiology. These practical sessions are complementary to related lectures to reach your ultimate learning outcomes. Please check students' lists of groups and subgroups in the registration office to attend the appropriate practical sessions.

Student Selected Components (SSCs):

You are expected to spend approximately thirty hours working on the student selected components of the year. You will be assigned to a faculty member who will be your mentor. The student selected components give you the opportunity to study a topic of your choice (from an approved list of topics uploaded on Moodle) to prepare a report or a project. Work in SSC will be a team work since each report will be prepared collaboratively by a group of three or four students.

Completion of Student Selected Components is compulsory. You must have satisfactorily completed the Year 1 SSCs in order to be able to progress to year two.

Handouts:

The first handouts you will need are: this handbook and the time-table; both would be uploaded on Moodle in proper time.

In addition; a module workbook will be posted on Moodle at the beginning of each module; this will be describing everything related to that module; including (aims & objectives, moderators' & tutors' contact details, learning sessions' titles & activities, venues, and assessments)

In general, paper-based handouts are ***not*** given to accompany the lectures, although all lectures (PowerPoint presentations) will be posted on Moodle as pdf. preferably in advance of the lecture by at least a week.

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.

Moodle:

Iraqi Network Learning Environment (INLE) is the name of the networked learning environment that manages the curriculum and provides information about all its aspects. 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 Moodle.

A detailed Moodle introduction will be provided early in the E-Learning module.

Please start using Moodle as soon as possible and log in on a daily basis.

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 year one and the successive years.

What do you expect from us?

You can expect:

- Well organized timetable
- 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
- Handbook to be prepared for each module
- Help and advice from the year coordinators, module moderators and lecturers if required

What do we expect from you?

In return, we expect you to:

- Prepare for formal teaching sessions by reading the outlines, including the aims and objectives, and by referring to the recommended background reading given at the foot of most of the outlines.
- Attend all formal learning sessions and arriving promptly on time.
- Supplement the core knowledge by reference to any further reading.
- 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 sessions.
- 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 am I 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 that your time Sunday – Thursday (8-3) will be devoted to your studies. In addition, you will likely need to spend at least a 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.

Student Assessment of Year Two

I.Formative Exams

- These assessments occur at specified dates in the timetable and are compulsory.
- The questions are in a similar format to those that will be encountered in the mid-module/semester summative assessments
- Formative marks are not recorded and will not count towards the student's degree.

II. Module Progress Assessment: composed of two parts:

- Continuous Progress Assessment: (10 %).
- Mid Module Assessment: (20%). Apart from EL-II (15%)

III. Summative Assessment.

This assessment is designed to test core knowledge and thus the questions cover all the knowledge that the students encounter in the large group teaching, team-based learning and practical. This Exam consists of 80-120 single best answer questions (SBAs). Students select the correct answer from a choice of 4 responses. Candidates mark a computer-read form (OMR) to indicate their answer to the question.

This examination includes a **written paper** (70 %), which is comprised of

two sections (3 Hrs.)

SECTION 1: **A theory paper (50%),** Single Best Answer question (SBA) paper.

SECTION 2: A practical paper (20%). Practical slides & pictures will be included in the exam to assess the practical knowledge of the student.

A ½ hour will be added to the time of the exam if the exam includes a practical

paper.

In **PP, PPH and Baath Crimes modules**, there is no practical exam i.e. the final summative exam consists of a written paper (70%)

The assessments in all modules in year two follow the same mark distribution as described above, apart from **HSF2,** which has the following mark distribution:

Continuous Progress Assessment (40%): This includes:

- four exams rank 40 marks (10 marks each) that will be held in smart halls. Two of these exams will be in semester one and the other two in semester two.
- Mid Module Exam (20%)

Final summative exam: ranks the remaining 60% of the module mark, will be done at the end of the term, constituting:

- **Theory Exam (40%)** in the form of 100 multiple choice questions (MCQs).
- **Practical Exam (20%),** pictures will be included in the paper of this exam to assess the practical knowledge of the student.

Final Exam/ Mark	Continuous progress assessment/ Mark	MME/Mark	Semester	Module
Written **40 %** Practical **20%**	**%20** Quizes Behaviour & contribution in lab Theory & practical Exams in Smart hall	**20 %**	**Semester 1** **Semester 2**	**HSFII**
Practical **20%** Written **50%**	**10%** Quizes Behaviour & contribution in lab	**20%**	**Semester 1**	**NS**
Written **50 %** Practical **20%**	**10%** Assignment in INLE Quizzes Behaviour & contribution in lab Theory & practical Exams in Smart hall	**20%**	**Semester 1**	**CLS**
Written **70%**	**10%** 1st Course exam 5% 2nd Course exam 5%	**20%**	**Semester 1** **Semester 2**	**PP**
Practical **20%** Written **50%**	**10%** Assignment in INLE Quizzes Behaviour & contribution	**20%**	**Semester 2**	**SM**
Written **70%**	**10%** Quizzes Attendance Formative Activities	**20 %**	**Semester2**	**PPH**
Review literature **40%** Oral presentation **60%**			**Semester 1 & 2**	**SSC**
Final Exam **70%**	Report **30%**		**Semester 1**	**BC**
70% Written & Practical Exam	**15%** Quizzes, Attendance, Student activity	**15%**	**Semester 2**	**E-learning II**

خطة تقييم تفصيلية للسنة الثانية للعام الدراسي 2025-2026

Venues of learning:

- All lectures and TBL are held in the available Halls
- Practical sessions/classes are held in the laboratory of the concerned department.
- Library: found on the first floor - near the interior student housing building / near the college of dentistry building.
- Laboratory visits: during this year, you are going to visit different floors of the Teaching Laboratories / Medical City Campus as part of your clinical training.

You should check the timetable to confirm where your teaching will take place.

Appendix I: List of Modules &Module Moderators & year Directors

Module Name	Module moderator
HSFII	Prof. Nawfel K Yas Prof. Dr Malak Taha
NS	Assist Prof.Dr.Zainab Zahid Lec.Dr Faris Kadhim

CLS-Path CLS-GBD CLS-M	Lec.Dr.Sura Tami Prof. Dr.Bassam Musa Sadik Assist Prof.Dr Mariam Kareem
PP	Assist Prof.Dr.HudaAl-Qadhi Lec. Dr.Zainab Galib
ER	Lec. Dr.Zainab Zahid Lec. Dr.Ammar Adel
US	Prof. Dr Manal A Habib, Prof. Dr Nariman Fahmi
DS	Assist Prof.Dr.mahmood Mishal Lec.Dr Geed Hasan
PPH	Prof. Dr Eman Adnan Lec. Olaa Hussein
EL-II	Lec. Omar Abdulkader Ass. Lec. Ahmed Ayad
BC	Lec.Dr Salam Salih
SSC-II	Assist Prof. Zainab Abdul Alhussein Lec. Dr Geed Hasan Lec. Nadia Naeef

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