

Scientific Department: ..of pathology and forensic medicine .....

Academic or Professional Program Name: ...MBChB.....

Final Certificate Name: .... MBChB.....

Academic System: Annual .....

Description Preparation Date: 5/10/2023

File Completion Date: 23/2/2023

Signature:

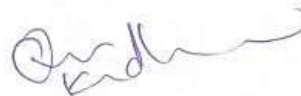


Head of Department Name:

Prof. Jasim Mohammad Al-Diab

Date:

Signature:



Scientific Associate Name:

Assis. prof. Qais Kadhum Baqir

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

12/3/2024

Signature:



Approval of the Dean

#### 1. Program Vision

To provide excellent teaching for medical students as well as to provide high quality laboratory services for the diagnosis of histopathological cases, and forensic medicine. The department is devoted to conduct high

**Ministry of Higher Education and Scientific Research  
Scientific Supervision and Scientific Evaluation Apparatus  
Directorate of Quality Assurance and Academic Accreditation  
Accreditation Department**



**Academic Program and  
Course Description Guide  
Department of pathology  
and forensic medicine**

2024

## **Introduction:**

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

## **Concepts and terminology:**

**Academic Program Description:** The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

**Course Description:** Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

**Program Vision:** An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

**Program Mission:** Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

**Program Objectives:** They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

**Curriculum Structure:** All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

**Learning Outcomes:** A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

**Teaching and learning strategies:** They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

## Academic Program Description Form

University Name: ..university of Basrah .....

Faculty/Institute: ..college of Medicine.....

Scientific Department: ..of pathology and forensic medicine .....

Academic or Professional Program Name: ...MBChB .....

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Academic System: Annual .....

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Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the Dean

### **1. Program Vision**

To provide excellent teaching for medical students as well as to provide high quality laboratory services for the diagnosis of histopathological cases, and forensic medicine. The department is devoted to conduct high quality research in specific topics of Pathology, Genetics, and Forensic Medicine.

### **2. Program Mission**

The mission of the Department of Pathology and Forensic Medicine is to provide excellent teaching, training, research and high standard diagnostic services for patient health care in Basrah and South of Iraq. Our aim is to provide a supportive working environment so that each individual can excel and pursue achievements that lead to national and international recognition. We will accomplish this by developing mechanisms that make optimal use of our human and financial resources.

### **3. Program Objectives**

- Excellence of teaching in pathology and forensic medicine and service.
- Dedication in performing our academic duties.
- To develop an outstanding, honorable pathologist, researcher and teacher capable of offering adequate laboratory services and medical ethics.
- To advance the knowledge base of pathology and forensic medicine by developing and encouraging scientific research.
- To disseminate knowledge through continuing education of our students, graduates faculty and colleagues.
- To promote outstanding programs of laboratory services to serve society and to promote environmental development.

- To maintain the environment of co-operation, peer relation and mutual respect in the university society.
- To encourage and to foster the individual creativity in the university society.

#### 4. Program Accreditation

Does the program have program accreditation? And from which agency?

No

#### 5. Other external influences

Is there a sponsor for the program?

No

#### 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	<b>One course</b> <b>For third year students</b> <b>30 week annual regimen</b> <b>First semester (15 weeks): General pathology</b> <b>Second trimester (15 weeks): Systemic pathology</b>	12		Basic course
College Requirements				
Department Requirements				



<b>Summer Training</b>	<b>No</b>			
<b>Other</b>				

\* This can include notes whether the course is basic or optional.

<b>7. Program Description</b>				
<b>Year/Level</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit Hours</b>	
			<b>theoretical</b>	<b>practical</b>
<b>2023–2024</b>		<b>Pathology</b>	<b>120 hr</b>	<b>120 hr</b>

<b>8. Expected learning outcomes of the program</b>	
<b>Knowledge</b>	
<p>Strengthening the knowledge base of pathology and forensic medicine by developing and encouraging scientific research.</p> <p>A2– Promoting distinguished programs of laboratory services to serve the community and encourage environmental development.</p> <p>A3–Knowing the types of diseases and the importance of diagnosing them accurately</p>	<p>Identify the types of laboratory tests in the field of histology and hematology</p> <p>Adherence to diagnostic criteria for the disease</p> <p>Follow up on diseases and diagnose cases of disease progression through laboratory analyses</p>
<b>Skills</b>	
<p>Proper methods of collecting blood samples</p> <p>How to preserve the histological examination sample after its surgical removal and the necessity of preserving it with a material that protects it from damage.</p>	

Examining the glass slides and diagnosing the pathological condition of the skin as a result of the examination in a laboratory report	
<b>Ethics</b>	
1. Maintaining confidentiality of disease diagnostic information 2- Ensuring humane treatment of patients, especially cancer cases 3- Teaching how to inform the patient and his companions of the results of the analysis	
Paying attention to the human aspect and not providing the material aspect	

<b>9. Teaching and Learning Strategies</b>
<p>-Explaining the scientific material through interactive theoretical lectures and dialogue answers with the participation of all students</p> <p>-Distributing students into small groups in practical lessons and discussing common disease cases through presentations that include pictures of ophthalmic and microscopic examinations of diseases, in addition to glass slides and glass models..</p>

<b>10. Evaluation methods</b>
<p>Electronic enrichment exams are according to a schedule announced for students and according to the schedule of theoretical lectures</p> <p>Semi-annual exams and the end-of-year exam</p>

## 11. Faculty

### Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
Dr.Jasim Mohammad Al-Diab	Pathology	histopathology			Staff
Dr.Sawsan Salih Al-Haroon	Pathology	histopathology			Staff
Dr.Saudad Asim Abdul-Qader	Pathology	histopathology			Staff
Dr.Saad Abdul-Baqi	Pathology	histopathology medical genetics			Staff
Dr.Aseel Hamid Jasim	Pathology	histopathology			Staff
Dr.Mazin Ghalib	Pathology	heamatpathology			Staff
Dr.Alaa Abdul-Razzaq	Pathology	heamatpathology			Staff
Dr.Hind Alaa	Pathology	histopathology			Staff
DR.Zaineb Abdul-Ameer Ameen	Pathology	histopathology			Staff
Dr.Sara Anmar Abdul-Muhsin	Pathology	heamatpathology			Staff
Dr.Abeer Ali Hussien	Pathology	histopathology			Staff
Dr.Noor Sabeeh Jummaa	Pathology	histopathology			Staff

### Professional Development

#### Mentoring new faculty members

Participation in university teaching methods courses

Organizing educational seminars

Keeping pace with scientific development and using modern technical means in teaching

### **Professional development of faculty members**

Participation in international and local conferences, seminars, training courses and workshops to keep pace with scientific and technological development and use modern scientific sources in teaching.

Encouraging scientific research and publishing in high-quality journals.

### **12. Acceptance Criterion**

### **13. The most important sources of information about the program**

- ✚ (Robbin's Basic Pathology 8<sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010
- ✚ Robbin's Basic Pathology 8<sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010
- ✚ Currans atlas of gross and histopathology
- ✚ Robbin's Basic Pathology 8<sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010
- ✚ Muir's Text Book of Pathology, 13<sup>th</sup> Edition; Roderick N M MacSween & KeithWhaley 1994

### **14. Program Development Plan**

Student center learning

Increase number of teaching staff with the increased number of students

Improving the skill lab useful in basic teaching

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2023-2024 3 <sup>rd</sup> year		Pathology	basic												

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

## Course Description Form

1. Course Name:		
Pathology		
2. Course Code:		
3. Semester / Year:		
Year/ annual		
4. Description Preparation Date:		
5. Available Attendance Forms:		
Attendance		
6. Number of Credit Hours (Total) / Number of Units (Total)		
240 hrs 120 hours theoretical 120 hours practical 12 units		
7. Course administrator's name (mention all, if more than one name)		
Dr.Jasim Mohammad Al-Diab	jasim.mohammad@uobasrah.edu.iq	

<b>Dr.Sawsan Salih Al-Haroon</b>	sawsan.salih@uobasrah.edu.iq
<b>Dr.Saudad Asim Abdul-Qader</b>	suadad.abdulkader@uobasra.edu.iq
<b>Dr.Saad Abdul-Baqi</b>	saad.abdullah@uobasrah.edu.iq
<b>Dr.Aseel Hamid Jasim</b>	aseel.jasim@uobasrah.edu.iq
<b>Dr.Mazin Ghalib</b>	mazin.ghalib@uobasrah.edu.iq
<b>Dr.Alaa Abdul-Razzaq</b>	alaa.abood@uobasrah.edu.iq
<b>Dr.Hind Alaa</b>	hind.alaa@uobasra.edu.iq
<b>DR.Zaineb Abdul-Ameer Ameen</b>	zaineb.ameen@uobasrah.edu.iq
<b>Dr.Sara Anmar Abdul-Muhsin</b>	sara.anmar@uobasrah.edu.iq
<b>Dr.Abeer Ali Hussien</b>	abeer.hussein@uobasrah.edu.iq
<b>Dr.Noor Sabeeh Jummaa</b>	noor.jummaa@uobasrah.edu.iq

## 8. Course Objectives

1. Understanding and applying general facts in the field of pathology for third-year students  
Faculty of medicine
2. Monitor and analyze functional and histological pathological variables and how  
Diagnosing it as a prelude to understanding clinical medical sciences.
3. Linking pathological changes with disease manifestations.
4. Gain the ability to identify and find appropriate solutions for medical problems.

<p>5. Understand the role of pathologists as part of an integrated medical team Responsible for diagnosing a medical condition, and determining appropriate treatment.</p> <p>6. Learn how to care for and preserve tissues taken from patients and even Delivered to the laboratory in good condition for diagnosis.</p>	
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**9. Teaching and Learning Strategies**

<b>Strategy</b>	<p>Explaining the scientific material through interactive theoretical lectures and dialogue answers with the participation of all students Distributing students into small groups in practical lessons and discussing common disease cases through presentations that include pictures of ophthalmic and microscopic examinations of diseases, in addition to glass slides and glass models.</p>
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**10. Course Structure**

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30 Weeks	120	Understanding and applying general facts pathology	Pathology	Explaining the scientific material	Electronic enrichment exams



	<p>hours theoretical 120 hours practical</p>	<p>Linking Pathological changes to disease manifestations Monitoring the latest functional and histological pathological variables and how to diagnose them using the latest methods Learn how preserve the tissue taken from the patient and deliver it to laboratory in good condition for purpose of diagnosis Teaching laboratory techniques and</p>		<p>through interactive theoretical lectures and dialogue answers with the participation of all students Distribution of students to Small groups Practical lessons and Discussing cases Common pathology through presentations that include examination images Al-Aini and</p>	<p>And the semi- annual exams and final exams.</p>
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		Skills, especially skills Modern pathology Histopathology and Heamatopathology and genetics		Microscopic	
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## 11. Course Evaluation

### 1. Mid-year exams

- ✚ The theoretical exam: 20 marks
- ✚ Practical exam: 10 marks
- ✚ Total (annual pursuit) 30 marks

### 2. Final exams

- ✚ The theoretical exam is 50 marks
- ✚ Practical exam: 20 marks
- ✚ The final exam total is 70 marks

Final grade 100%

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Robbin's Basic Pathology 8 <sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010
Main references (sources)	Robbin's Basic Pathology 8 <sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010 Currans atlas of gross and histopathology
Recommended books and references (scientific journals, reports...)	Robbin's Basic Pathology 8 <sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010 2-Muir's Text Book of Pathology, 13 <sup>th</sup> Edition; Roderick N M MacSween & Keith Whaley 1994 3-Stevens: Core pathology, 3ed edition 2010. 4- Practical booklet 2010
Electronic References, Websites	Pathology outlines Stevens: Core pathology, 3ed edition 2010.

Hours		Course or Module Title	Course or Module Code	Year
Practical	Theory			
<b>General pathology</b>				
<b>8</b>	<b>5</b>	<b>Cell injury</b>		Third stage
	2	Cellular adaptation to stress(hyperplasia, hyperatrophy, atrophy and metaplasia) causes and morphology of Cell injury		
	2	Cell death (necrosis and apoptosis)		
	1	Amyloidosis		
<b>16</b>	<b>9</b>	<b>Inflammation healing and repair</b>		
	3	Acute inflammation		
	2	Chronic inflammation		
	1	Systemic effect of inflammation		
	3	Healing and repair		
	<b>5</b>	<b>Medical genetics</b>		
	1	Mutation		
	1	Mendelian disorders		
	1	Single gene defect		

	1	Cytogenetic disorders		
	1	Genomic imprinting		
<b>8</b>	<b>3</b>	<b>Circulatory system</b>		
	1	Thrombosis and embolism		
	1	Infarction		
	1	Shock		
<b>16</b>	<b>7</b>	<b>Neoplasia</b>		
	1	Nomenclature		
	2	Characteristics of benign and malignant tumors		
	2	Tumor angiogenesis		
	2	Host defense against tumor Carcinogenesis		
<b>Systemic pathology</b> الفصل الثاني				
<b>8</b>	<b>8</b>	<b>Cardiovascular system</b>		
	4	Diseases of blood and lymphatic vessels Atherosclerosis, aneurysm and tumors)		
	4	Diseases of the heart ( ischemic heart diseases, valvular heart disease, congenital heart diseases and tumors)		
<b>16</b>	<b>6</b>	<b>Respiratory system</b>		
	2	Upper respiratory tract diseases (atelectasis, emphysema , bronchactasis and asthma)		

	2	Pneumonia (lobar and bronchopneumonia) Pneumoconiosis		
	2	Tumors of lung and pleura		
<b>16</b>	<b>10</b>	<b>Hematopoietic system</b>		
	3	Red cell disorders (anaemias and polycythemias)		
	3	White cell disorders (leukemias)		
	2	Plasma cell disorders (multiple myeloma)		
	2	Bleeding disorders (thrombocytopenia)		
<b>8</b>	<b>4</b>	<b>Lymphoreticular system</b>		
	1	Reactive lymphadenopathy		
	1	Neoplastic lymphadenopathy(hodgkin and non-hodgkin lymphoma)		
	1	Metastatic lymphadenopathy		
	1	Spleen and thymus		
<b>8</b>	<b>5</b>	<b>Gastrointestinal system</b>		
	1	Diseases of esophagus( GERD , tumors)		
	2	Diseases of stomach(gastritis peptic ulcer and tumors)		
	2	Diseases of small and large intestine(inflammatory bowel diseases, polyp and tumors)		

<b>8</b>	<b>6</b>	<b>Liver, gall bladder and pancreas</b>		
	2	Diseases of liver(hepatitis, cirrhosis and tumors)		
	2	Diseases of gall bladder(stones, cholecystitis and tumors)		
	2	Diseases of pancreas(pancreatitis and tumors)		
<b>16</b>	<b>5</b>	<b>Kidney and urinary tract</b>		
	1	Glomerular diseases		
	1	Diseases of renal tubules Cystic diseases of kidney		
	1	Renal stones		
	1	Renal tumors		
	1	Diseases of urinary tract( ureter, urinary bladder)		
<b>8</b>	<b>4</b>	<b>Female genital system</b>		
	1	diseases of the uterine cervix( cervical intraepithelial neoplasia and tumors)		
	1	Disease of body of the uterus( adenomyosis, endometriosis, endometrial hyperplasia, endometrial carcinoma and leiomyoma)		
	1	Diseases of the ovaries (neoplastic and non-neoplastic ovarian diseases)		

	1	Gestational trophoblastic diseases( H.mole and choriocarcinoma)		
<b>3</b>	<b>3</b>	<b>Breast</b>		
	<b>1</b>	Non-infective inflammatory diseases		
	1	Fibrocystic diseases of the breast		
	1	Benign and malignant tumors Male breast		
-	<b>1</b>	<b>Endocrine</b> {disease of thyroid gland-thyroiditis and thyroid tumors )		
-	<b>2</b>	<b>Bone</b> <b>Osteomyelitis</b> <b>Bone tumors</b>		
-	<b>2</b>	<b>Central nervous system</b> (infection and tumors )		
	<b>2</b>	<b>Male genital system</b> Testicular neoplasms and disease of prostate		



