

## Academic program description form

University name: University...Tikrit.....

College/Institute: College.....Medicine.....

Scientific Department: Department.....Pathology.....

Name of academic or professional program: General medicine and surgery.

Name of final degree: Bachelor's degree in General medicine and surgery.

Academic system: annual

Description preparation date: 2/16/2024

File filling date: 2/18/2024

the signature : the signature :

Name of department head: Name of scientific assistant:

Nadia Adnan Gheni

the date: the date : 18/2/2024

المؤيد: هاشم عبد الستار جبار  
معاون العميد للشؤون العلمية

Check the file by:

Division of Quality Assurance and University Performance

Name of the Director of the Quality Assurance and University Performance Division:

the date

18/2/2024

the signature

عذراء كامل حسين العبيدي  
مسؤول شعبة ضمان الجودة

Authentication of the Dean



### **1. Program vision**

Teaching pathology in three dimensions: Theoretical information, Scientific skills and scientific research.

### **2. Program message**

Preliminary studies: Building and developing the student's understanding - the future doctor - of the causes and mechanisms of the emergence of diseases and their impact on humans as a basis for later clinical medical work

Graduate Studies: Graduating medical personnel those are familiar with pathology and capable of scientific diagnosis based on laboratory investigation and clinical examination

### **3. Program objectives**

1-Teaching and providing an opportunity for students to acquire theoretical information and scientific skills related to the causes of emergence of diseases and their effect on the human body

2. Providing distinguished diagnostic services to patients, in cooperation with the laboratories of the teaching hospital in Governorate.

3. Providing the scientific research movement with solid scientific research based on specialized laboratory work.

### **4. Programmatic accreditation**

**Iraqi National Guideline on Standards for Established and Medical Schools.**

**NCAMC: National Council for Accreditation of Medical Colleges- Iraq**

### 5. Other external influences

1. Teaching hospital.
2. Scientific library.
3. Information network (Internet)
4. the society.
5. Field visits to health centers

### 6. Program structure

Credit hours		Study units	Subject Name	Year	Material code
theory	practical				
60 hour	30 hour	6	Basic Pathology And systemic I	the second	PATH0251
60 hour	60 hour	6	Systemic Pathology II	the third	PATH0351
					Other

### 7. Program description

Credit hours		Subject Name	Material code	the year
practical 60	theoretical 30	Basic pathology + Systemic pathology I	PATH 0251	Second

Practical 60	theoretical 60	Systemic pathology II	PATH 0351	Third
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education institution:

lecturer	Permanent Staff	Special Specialization	General Specialization	Degree
-----	Yes	Chemical pathology	General medicine and surgery	Professor
-----	Yes	Histopathology	General medicine and surgery	Professor
-----	Yes	Histopathology	General medicine and surgery	Assistant Professor
-----	Yes	Histopathology	General medicine and surgery	Assistant Professor
-----	Yes	Immunopathology	biological science	lecturer
-----	Yes	Histopathology	General medicine and surgery	lecturer

## **Professional development**

### **Orienting new faculty members**

1. Using modern means to search for new information (scientific and medical websites).
2. Attending specialized scientific seminars to learn about developments in the medical field.
3. Active participation in scientific classes in specialized laboratories and teaching hospitals.
4. Applying the accumulated information practically in conducting scientific research.

### **Professional development for faculty members**

1. Theoretical lectures and practical application.
2. Seminars and weekly sessions.
3. Small group discussions to suggest solutions to problems.
4. In-person and electronic blended learning (via the Google Classroom platform)

### **12. Acceptance criterion**

1. Central admission through the Ministry of Higher Education and Scientific Research.
2. Parallel admission channel.

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

1. University and college website.
2. Website of the Ministry of Higher Education and Scientific Research.

### **14. Program development plan**

**Program skills chart**

Learning outcomes required from the programme

Values				Skills				Knowledge				essential or optional	Course Name	Course Code	the year
C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
√	√	√	√	√	√	√	√	√	√	√	√	essential	Pathology 1	PATH0251	second
√	√	√	√	√	√	√	√	√	√	√	√	essential	Pathology 2	PATH0351	Third

\*Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation

## Course description form

**1. Course name: Pathology**

**2. Course code: PATH0251, PATH0351**

**3. The Year: 2023-2024**

**4. Date this description was prepared: 2024**

**5. Available forms of attendance: Mandatory attendance**

**6.Total number of academic hours: second year 90 hours, Third year 120 hours  
/Total number of units: 12 units**

**7. Name of the course administrator (if more than one name is mentioned):**

the name: Dr.Nihad Najris Hilal Email:drnehad76@tu.edu.iq

Dr. Nadia Adnan Gheni ghenin@tu.edu.iq

**1. Course objectives:**

Objectives of the study subject:

- 1.Teaching and providing an opportunity for students to acquire theoretical information and scientific skills related to the causes of emergence of diseases and their effect on the human body.
2. Identifying diseases of all types and studying them clinically and histologically.
3. Providing distinguished diagnostic services to patients, in cooperation with the laboratories of the teaching hospital in Governorate.
4. Providing the scientific research movement with solid scientific research based on specialized laboratory work.

8. Teaching and learning strategies

The strategy

10. Course structure: Theoretical Pathology/ Second Class: 30 hours

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
the exam	lecture	Basic pathology	Cell injury	1	1
the exam	lecture	Basic pathology	Necrosis	1	2
the exam	lecture	Basic pathology	degeneration	1	3
the exam	lecture	Basic pathology	Cellular adaptation	1	4
the exam	lecture	Basic pathology	Healing and repair	1	5
the exam	lecture	Basic pathology	Inflammation	1	6
the exam	lecture	Basic pathology	Immunopathology	1	7
the exam	lecture	Basic pathology		1	8
the exam	lecture	Basic pathology	Neoplasia	1	9
the exam	lecture	Basic pathology		1	10
the exam	lecture	Basic pathology		1	11
the exam	lecture	Basic pathology	Hematology	1	12
the exam	lecture	Systemic Pathology I		1	13
the exam	lecture	Systemic Pathology I		1	14
the exam	lecture	Systemic pathology 1		1	15
the exam	lecture	Basic pathology 1	Hemodynamic disorders	1	16
				1	17
				1	18



the exam	lecture	Systemic pathology 1	Blood vessels	1	19
				1	20
the exam	lecture	Systemic pathology 1	cardiovascular	1	21
				1	22
				1	23
				1	24
the exam	lecture	Systemic pathology 1	Bones and joints	1	25
				1	26
				1	27
the exam	lecture	Systemic pathology 1	Nerves and muscles	1	28
				1	29
				1	30

#### 10. Course structure: Theoretical pathology/ Third Class: 60 hour

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
the exam	lecture	Systemic Pathology II	GIT system	2	1
				2	2
				2	3
				2	4
				2	5
the exam	lecture	Systemic Pathology II	Hepatobiliary system	2	6
				2	7
				2	8
the exam	lecture	Systemic Pathology II	Respiratory system	2	9
				2	10
				2	11
the exam	lecture	Systemic Pathology II	Endocrine system	2	12
				2	13
				2	14
				2	15
the exam	lecture	Systemic Pathology II	Renal system	2	16

				2	17
				2	18
				2	19
<b>the exam</b>	<b>lecture</b>	<b>Systemic Pathology II</b>	<b>Central nervous system</b>	2	20
				2	21
				2	22
				2	23
				2	24
<b>the exam</b>	<b>lecture</b>	<b>Systemic Pathology II</b>	<b>Male reproductive system</b>	2	25
				2	26
<b>the exam</b>	<b>lecture</b>	<b>Systemic Pathology II</b>	<b>Female reproductive system</b>	2	27
				2	28
<b>the exam</b>	<b>lecture</b>	<b>Systemic Pathology II</b>	<b>Breast Pathology</b>	2	29
				2	30

#### 10. Course structure: Practical Pathology/Second class: 60 hours

<b>Evaluation method</b>	<b>Learning method</b>	<b>Name of the unit or topic</b>	<b>Required learning outcomes</b>	<b>hours</b>	<b>the week</b>
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>General pathology</b>	2	1
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>General pathology</b>	2	2
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>General pathology</b>	2	3
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>General pathology</b>	2	4
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>General pathology</b>	2	5
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>General pathology</b>	2	6
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>Immunopathology</b>	2	7
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>Immunopathology</b>	2	8
<b>the exam/Lab</b>	<b>Pathology Lab</b>	<b>Histopathology</b>	<b>Neoplasia</b>	2	9

				2	10
				2	11
the exam/Lab	Pathology Lab	Histopathology	Hematology	2	12
				2	13
				2	14
				2	15
the exam/Lab	Pathology Lab	Histopathology	Hemodynamic disorders	2	16
				2	17
				2	18
the exam/Lab	Pathology Lab	Histopathology	Blood vessels & lymphatics disorders	2	19
				2	20
the exam/Lab	Pathology Lab	Histopathology	Cardiovascular diseases	2	21
				2	22
				2	23
				2	24
the exam/Lab	Pathology Lab	Histopathology	Bones and joints pathology	2	25
				2	26
				2	27
the exam/Lab	Pathology Lab	Histopathology	Nerves and muscles Pathology	2	28
				2	29
				2	30

**10. Course structure: Practical pathology/Third class: 60 hours**

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
the exam/Lab	Pathology Lab	Histopathology	GIT Pathology	2	1
the exam/Lab	Pathology Lab	Histopathology		2	2
the exam/Lab	Pathology Lab	Histopathology		2	3
the exam/Lab	Pathology Lab	Histopathology		2	4

the exam/Lab	Pathology Lab	Histopathology		2	5
the exam/Lab	Pathology Lab	Histopathology	Hepatobiliary & pancreatic pathology	2	6
the exam/Lab	Pathology Lab	Histopathology		2	7
the exam/Lab	Pathology Lab	Histopathology		2	8
the exam/Lab	Pathology Lab	Histopathology	Respiratory pathology	2	9
				2	10
				2	11
				2	12
the exam/Lab	Pathology Lab	Histopathology	Endocrine Pathology	2	13
				2	14
				2	15
				2	16
the exam/Lab	Pathology Lab	Histopathology	Renal Pathology	2	17
				2	18
				2	19
				2	20
the exam/Lab	Pathology Lab	Histopathology	Central nervous system pathology	2	21
				2	22
				2	23
				2	24
				2	25
the exam/Lab	Pathology Lab	Histopathology	Male reproductive system pathology	2	26
				2	27
the exam/Lab	Pathology Lab	Histopathology	Female reproductive system pathology	2	28
				2	29
the exam/Laboratory	Pathology Lab	Histopathology	Breast pathology	2	30

## 11. Course evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation with daily, monthly, written exams, and reports.

1. Formative exam: Evaluating the student during the learning period.
2. Cumulative Final Exam: A final assessment of the knowledge and skills acquired
3. Practical exam.

## 12. Learning and teaching resources

Textbook: Kumar V, Abbas ■ AK, Aster JC: Robbins basic pathology. Tenth edition, Elsevier, 2018.	Required textbooks
References: Levison DA: ■ Muir's Textbook of pathology. Sixteenth edition, 2020 Simon Herrington.	Main references
<b>Modern editions of primary sources And discreet website</b>	Recommended supporting books and references (scientific journals, reports...)
Web pathology/ google. .1 Pathology outline ppt, lectures .2 and videos. 3.Osmosis. org/ pathology lectures and videos.	Electronic references, Internet sites