

## Program Description/ Pathology Department

Program Description				
Year/Level	Course Code	Course Name	Credits	
			Theory	practical
2023/2024 3 <sup>rd</sup> year	NM03-PATP-31	Pathology	4	3
	NM03-PATP-32	Pathology	3	3
2023/2024 4 <sup>th</sup> year	NM04-PATFom-41	Forensic medicine	2	3
	NM04-PATFom-42	Forensic medicine	2	3
2023/2024 5 <sup>th</sup> year	NM05-PATMet-51	Medical ethics	1	

### Course Description Form/ pathology 1

1. Course Name:
Pathology
2. Course Code:
(PATpat-31)
3. Semester / Year:
3 <sup>rd</sup> year/1 <sup>st</sup> semester
4. Description Preparation Date:
1/1/2024
5. Available Attendance Forms:
Physical
6. Number of Credit Hours (Total) / Number of Units (Total)
4 theory /3 practical /5.5 credit
7. Course administrator's name (mention all, if more than one name)
Name: assistant prof. Bassam M. Hameed Email:

## 8. Course Objectives

### Course Objectives

The course is designed to enable the student to:

1. Understand pathology as a science and its subspecialties
2. understand general principles of pathology
3. Be familiar with different diagnostic modalities used in pathology
4. Discuss pathology of hematological disease, cardiovascular and respiratory disease

. Have ability to interpret histopathological findings in general

## 9. Teaching and Learning Strategies

### Strategy

Lectures/Practical sessions/Seminars/Reports

## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
			Introduction to pathology Diagnostic technique in pathology Cell injury Intracellular accumulations Inflammation Healing and repair Hemodynamic Disturbances Genetic disorders Nomenclature of benign and malignant tumors Pathways of spread of malignant tumors Molecular aspects of carcinogenesis Chemical and microbial carcinogenesis Hypersensitivity reactions Immune deficiency Autoimmune disease Amyloidosis Hematopoiesis Anemia Leukemia Hemostasis Blood transfusion Disease of Cardiovascular System	Lecture and practical sessions	Theory and station exam

		Disease of Respiratory system	
<b>11. Course Evaluation</b>			
<p>The minimum requirement of a student to pass is to achieve at least <b>50%</b> of the total <b>100</b> marks assigned for the course. The marks are distributed as follows:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Mid-term exam <b>25</b> marks of written short essay test.</li> <li><input type="checkbox"/> Quizzes <b>5</b> marks, <b>20%</b> of quizzes are formative tests.</li> <li><input type="checkbox"/> Final theory exam <b>50</b> marks, as <b>30%</b> short essay, <b>70%</b> MCQ</li> <li><input type="checkbox"/> Final practical exam <b>20</b> marks of OSPE in slide stations</li> </ul> <p>Students who fail to attain the <b>50%</b> cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.</p>			
<b>12. Learning and Teaching Resources</b>			
Required textbooks (curricular books, if any)		<ol style="list-style-type: none"> <li>1. Muirs textbook of pathology</li> <li>2. Robbins pathological basis of disease</li> </ol>	
Main references (sources)			
Recommended books and references (scientific journals, reports...)			
Electronic References, Websites			

## Course Description Form/ pathology 2

<b>13. Course Name:</b>
Pathology
<b>14. Course Code:</b>
(PATpat-32)
<b>15. Semester / Year:</b>
3 <sup>rd</sup> year/2 <sup>nd</sup> semester
<b>16. Description Preparation Date:</b>
1/1/2024
<b>17. Available Attendance Forms:</b>
Physical
<b>18. Number of Credit Hours (Total) / Number of Units (Total)</b>

3 theory /3 practical /4.5 credit					
19. Course administrator's name (mention all, if more than one name)					
Name: assistant prof. Bassam M. Hameed					
20. Course Objectives					
<b>Course Objectives</b>		<b>The course is designed to enable the student to:</b> 1. To know etiology, morphology, pathogenesis of different systemic disease 2. To relate pathological findings and knowledge to clinical experience			
21. Teaching and Learning Strategies					
<b>Strategy</b>		Lectures/Practical sessions/Seminars/Reports			
22. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
			Gastrointestinal tract Liver, Gallbladder and Pancreas Urinary system Female genital tract and breasts Male genital tract Lymphoreticular system Endocrine system Nervous system Musculoskeletal system Skin	Lectures and practical sessions	Theory and station exam
23. Course Evaluation					
<p>The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course. The marks are distributed as follows:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Mid-term exam 25 marks of written short essay test.</li> <li><input type="checkbox"/> Quizzes 5 marks, 20% of quizzes are formative tests.</li> <li><input type="checkbox"/> Final theory exam 50 marks, as 30% short essay, 70% MCQ</li> <li><input type="checkbox"/> Final practical exam 20 marks of OSPE in slide stations</li> </ul> <p>Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.</p>					
24. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			3. Muirs textbook of pathology 4. Robbins pathological basis of disease		

Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

### **Course Description Form/forensic medicine 1**

1. Course Name:
<b>Forensic Medicine</b>
2. Course Code:
<b>(PATForm-41)</b>
3. Semester / Year:
4 <sup>th</sup> year/1 <sup>st</sup> semester

4. Description Preparation Date:					
1/1/2024					
5. Available Attendance Forms:					
Physical					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 theory /3 practical /3.5 credit					
7. Course administrator's name (mention all, if more than one name)					
Name: ا د معتر عبد المجيد					
8. Course Objectives					
<b>Course Objectives</b>		<p><b>The course is designed to enable the student to:</b></p> <p>Able to write various medico-legal reports and death certificates.</p> <p>Be aware of all types of medico-legal cases and how to deal with them during his or her medical practice.</p> <p>Emphasize the importance of this science in helping the legal authorities to prevail justice.</p> <p>To understand the real duties of forensic medicine and forensic pathologists.</p>			
9. Teaching and Learning Strategies					
<b>Strategy</b>		Lectures/Practical sessions/Seminars/Reports			
10. Course Structure					
<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
			Historical review, medico-legal systems, signs and diagnosis of death. Physical and chemical changes after death. Late signs of death, Wounds (Bruise and Abrasions). Wounds (Lacerations and Sharp wounds). Firearm wounds Transportation injuries. Specific regional injuries. Thermal injuries, Electrocution and Lightning. Thermal injuries (cont.), Flame and Scald burn. Asphyxia, Smothering, choking, strangulation and hanging	Lectures and practical sessions	Theoretical and station exam

			Asphyxia (cont.), Drowning Sudden death, Classification, Causes of sudden death according to body systems Sudden Death (cont.), Death under surgical anesthesia. Forensic Pediatrics, Infanticide Forensic Pediatrics, Child Abuse Syndrome, SIDS		
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## 11. Course Evaluation

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course. The marks are distributed as follows:

1. Quizzes: 5 degree
2. Seminar: 5 degree
3. Midterm exam: 20 degree Modified Short Essay
4. Final exam: 70 degree and is divided into 2 parts:
  - Written exam: 70 degree 40% Modified Short Essay and 60% single choice MCQ

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	<ol style="list-style-type: none"> <li>1. الطب العدلي واداب المهنة الطبية للمرحوم الاستاذ د. ضياء الموسوي</li> <li>2. Forensic Medicine by Bernard Knight .</li> </ol>
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

## Course Description Form/forensic medicine 2

1. Course Name:
<b>Forensic Medicine</b>
2. Course Code:
<b>(PATForm-42)</b>
3. Semester / Year:

4 <sup>th</sup> year/2 <sup>nd</sup> semester					
4. Description Preparation Date:					
1/1/2024					
5. Available Attendance Forms:					
Physical					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 theory /3 practical /3.5 credit					
7. Course administrator's name (mention all, if more than one name)					
Name: ادمعتر عبد المجيد					
8. Course Objectives					
<b>Course Objectives</b>		<p><b>The course is designed to enable the student to:</b></p> <p>To be able to deal with different types of sexual assaults referred to the outpatient clinic.</p> <p>Understand methods of identifications between individuals and other trace evidences in criminal investigation.</p> <p>How to manage patients referred to hospitals after exposure to various types of poisons.</p>			
9. Teaching and Learning Strategies					
<b>Strategy</b>		Lectures/Practical sessions/Seminars/Reports			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
			Sexual offences Sexual offences (cont.). Impotence, Sterility and Paternity. Forensic DNA Typing. Identification (Classification and Methods). Age estimation (methods and Purposes). Identifications of Blood Stains and Fibers. Identifications of Seminal and Saliva Stains Forensic Toxicology	Lecture and practical sessions	Theory and station exam

			(introduction and Classification Methods of management of poisoned patients Corrosive Poisons. Volatile compounds and Toxic Gases. Alcohol Drugs, Narcotics and ecstasy. Plant and Mushroom poisons.		
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## 11. Course Evaluation

**The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course. The marks are distributed as follows:**

5. Quizzes: 5 degree
6. Seminar: 5 degree
7. Midterm exam: 20 degree Modified Short Essay
8. Final exam: 70 degree and is divided into 2 parts:

- **Written exam: 70 degree 40% Modified Short Essay and 60% single choice MCQ**

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	<ol style="list-style-type: none"> <li>1. الطب العدلي واداب المهنة الطبية للمرحوم الاستاذ د. ضياء الموسوي</li> <li>2. Forensic Medicine by Bernard Knight .</li> </ol>
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

## Course Description Form/medical ethics

<b>13. Course Name:</b>					
Medical Ethics					
<b>14. Course Code:</b>					
(PATMet-51)					
<b>15. Semester / Year:</b>					
5 <sup>th</sup> year/1 <sup>st</sup> semester					
<b>16. Description Preparation Date:</b>					
1/1/2024					
<b>17. Available Attendance Forms:</b>					
Physical					
<b>18. Number of Credit Hours (Total) / Number of Units (Total)</b>					
1 theory/1 credit					
<b>19. Course administrator's name (mention all, if more than one name)</b>					
Name: اد معتز عبد المجيد					
<b>20. Course Objectives</b>					
<b>Course Objectives</b>		<p><b>The course is designed to enable the student to:</b></p> <ol style="list-style-type: none"> <li>1. Prepare them to recognize difficult situations and deal with in a rational and principled manner.</li> <li>2. Be aware of physician's interactions with society and their colleagues and for the conduct of medical research.</li> <li>3. Provide them with ethical principles such as respect of persons, informed consent and confidentiality which are basic to physician-patient relationship</li> </ol>			
<b>21. Teaching and Learning Strategies</b>					
<b>Strategy</b>		Lectures/Practical sessions/Seminars/Reports			
<b>22. Course Structure</b>					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
			Introduction, historical review of ethics, Islamic instruction towards ethics. Doctors and humanity, fees, prescription and advertisement	Lecture and practical sessions	Theory and station exam

			<p>Medical attitude, physician-patient relationship, physician-physician relationship, specialist-GP relationship, physician and traditional culture</p> <p>Medical liability, liability towards patient diagnosis and treatment</p> <p>Liability towards continued medical education, mistakes in prescription, Euthanasia.</p> <p>Criminal abortion , sterilization</p> <p>Brain death and donation of organs</p> <p>Physicians and profession election, Medical committee,</p> <p>Experimental trials on human body.</p> <p>Physician and Laws, Iraqi medical association, Registration of Birth and death, Transportation of bodies, Testimony in courts</p> <p>Iraqi Punishment law.</p> <p>Ethics in medical research.</p> <p>Physician duties and communication skills toward patient.</p> <p>Surgical bases in treatment.</p> <p>Communication skills in pediatrics.</p> <p>The values of medical ethics and the convention of honest profession.</p> <p>Medical and surgical mistakes</p> <p>Confidentiality, Hippocratic oath and medical oath.</p>		
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**23. Course Evaluation**

**The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course. The marks are distributed as follows: Midterm exam: 30 marks as short essay questions.**

**Final exam: 70 marks as essay questions and best answer MCQ.**

**Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination**

similar to the final one. Failing in the second trial entails the student to repeat the academic year.

## 24. Learning and Teaching Resources

Required textbooks (curricular books, if any)	A. داب المهنة الطبية للاستاذ الدكتور طريف سرحان الغريزي B. السلوك الطبي وأداب المهنة الطبية للاستاذ الدكتور عبد الوهاب الجليبي C. المدخل الى الاخلاق الطبية للاستاذ الدكتور ثامر أحمد حمدان
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A 1	A2	A 3	A 4	B 1	B 2	B 3	B4	C1	C2	C3	C4
3 <sup>rd</sup> year	NM03-PATP-31	Pathology	Basic	X		X							X		X
	NM03-PATP-32	Pathology	Basic	X		X							X		X
4 <sup>th</sup> year	PATFom-41	Forensic medicine	Basic	X		X					X	X	X	X	X
	PATFom-42	Forensic medicine	Basic	x		X					X	X	X	X	X
5 <sup>th</sup> year	PATMet-51	Medical ethics	Basic		x						X	X	X	X	X