



Ministry of Higher Education and  
Scientific Research - Iraq  
Al-Nahrain University  
College of Science  
Applied Pathological Analysis Department



## MODULE DESCRIPTOR FORM

### نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Histology		Module Delivery
Module Type	CORE		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code			
ECTS Credits	7		
SWL (hr/sem)	47		
Module Level	2	Semester of Delivery	1
Administering Department	Applied Pathological Analysis	College	Type College Code
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	10/2/2025	Version Number	1.0

### Relation with other Modules

العلاقة مع المواد الدراسية الأخرى

<b>Prerequisite module</b>	None	<b>Semester</b>	
<b>Co-requisites module</b>	None	<b>Semester</b>	

**Module Aims, Learning Outcomes and Indicative Contents**

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<b>Module Aims</b> أهداف المادة الدراسية	<p>The course aims to teach students the following:</p> <p>Histology is an essential tool for medical students. This study aims to introduce the student to the basic types of cells and classify those cells according to the study of the shape of the cells that form those tissues and the basic function of these cells, which form the various tissues and organs of the human body, by examining thin slices of tissue under a microscope.</p>
<b>Module Learning Outcomes</b> مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> <li>1. Learn the structure of organs</li> <li>2. The ability to distinguish the types of tissues that make up organs.</li> <li>3. Understand how the body's organs perform their functions</li> <li>4. The ability to make tissue sections</li> <li>5. Learn how to obtain samples from the patient and how to deal with them</li> </ol>
<b>Indicative Contents</b> المحتويات الإرشادية	Introduction to histology, epithelial tissue and its types
	Glandular epithelial tissue and specializations on the surfaces of epithelial tissues
	Connective tissue, elements of connective tissue and types of connective tissue
	Disintegrated connective tissue and tendon and introduction to special connective tissue
	Skeletal tissue, cartilage and bone types
	Mid-term exam
	Blood formation and muscle tissue, skeletal, smooth and cardiac muscles
	Nerve tissue, nerve cells, nerve fibers
	Final exam

**Learning and Teaching Strategies**

استراتيجيات التعلم والتعليم

<b>Strategies</b>	- Encourage students to take structured notes during lectures.
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	<ul style="list-style-type: none"> <li>- Provide practical questions and problem-solving exercises.</li> <li>- Actively participate in group discussions and collaborative activities.</li> <li>- Use textbooks, online resources, and supplementary materials to enhance learning.</li> <li>- Provide constructive feedback on assignments and assessments.</li> <li>- Review helps students understand their strengths and areas for improvement.</li> </ul> <p>Teaching Strategies:</p> <ul style="list-style-type: none"> <li>- Encourage students to actively engage with the material through group discussions and activities to promote deeper understanding.</li> <li>- Provide well-structured lectures that provide a clear overview of the topic.</li> <li>- Incorporate videos, animations, and interactive simulations to illustrate complex biological processes.</li> <li>- Assign readings or video lectures as homework and use class time for discussions and activities.</li> </ul>
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Student Workload (SWL)			
الحمل الدراسي للطلاب محسوب ل ١٥ اسبوعا			
<b>Structured SWL (h/sem)</b> الحمل الدراسي المنتظم للطلاب خلال الفصل	47	<b>Structured SWL (h/w)</b> الحمل الدراسي المنتظم للطلاب أسبوعيا	3
<b>Unstructured SWL (h/sem)</b> الحمل الدراسي غير المنتظم للطلاب خلال الفصل	53	<b>Unstructured SWL (h/w)</b> الحمل الدراسي غير المنتظم للطلاب أسبوعيا	3.5
<b>Total SWL (h/sem)</b> الحمل الدراسي الكلي للطلاب خلال الفصل	100		


Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	all	ALL
	Assignments	2	5% (10)	3.11	ALL
	Projects / Lab.	0	15% (10)	Continues	All
	Seminar	1	10% (10)	Continues	All

<b>Summative assessment</b>	<b>Midterm Exam</b>	1 hr	10% (10)	7	ALL
	<b>Final Exam</b>	3hr	50% (50)	16	All
<b>Total assessment</b>			100% (100 Marks)		

<b>Delivery Plan (Weekly Syllabus)</b> المنهاج الاسبوعي النظري	
	<b>Material Covered</b>
<b>Week 1</b>	Introduction and overview of methods used in histology, Classification of Histology, Tissue preparation
<b>Week 2</b>	Overview of Cell structure & types
<b>Week 3</b>	Tissues: Concept and classifications of primary tissues.
<b>Week 4</b>	Epithelial tissue: Simple Ep. T. , Compound Ep. T.
<b>Week 5</b>	The glandular Tissues (The Glands)
<b>Week 6</b>	Connective and Supportive Tissue: Embryonic and adult C.T. Connective Tissue proper (General C.T.)
<b>Week7</b>	<b>Exam</b>
<b>Week8</b>	Cartilage, Histogenesis, Growth and repair of cartilage
<b>Week9</b>	Bone & Histogenesis of Bone
<b>Week 10</b>	The Blood
<b>Week11</b>	The haemopoietic organ (bone marrow), Formation of blood cells.
<b>Week12</b>	Muscular tissue
<b>Week13</b>	Nervous tissue: Overview of nervous system (CNS & PNS) Nervous system: the Nerve cells (neurons) and their classification
<b>Week14</b>	Supporting cells of nervous system
<b>Week 15</b>	<b>Exam</b>

<b>Delivery Plan (Weekly Lab. Syllabus)</b> المنهاج الاسبوعي للمختبر	
<b>Weeks</b>	<b>Material Covered</b>

<b>Week 1</b>	Microscope: study the microscope parts of types and lines, how can be used
<b>Week 2</b>	Preparation of slides, methods and materials used
<b>Week 3</b>	Epithelial tissue, The Glands
<b>Week 4</b>	Connective tissue Cartilage ,Bone, bone marrow
<b>Week 5</b>	Muscular tissue
<b>Week 6</b>	Nervous tissue
<b>Week 7</b>	Brain, spinal cords, meninges

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
<b>Required Texts</b>	Histology Dr. Kawakib Abdul Qadir University of Baghdad	yes
<b>Recommended Texts</b>	<div>  </div> difori's Text and Atlas of Histology	yes
<b>Websites</b>	<a href="https://docs.google.com/file/d/0B3yBUIQNJt0ldjhlVIZSZmJHUUk/edit?resourcekey=0-EvVSt1KzjYHTm24HsAhU2A">https://docs.google.com/file/d/0B3yBUIQNJt0ldjhlVIZSZmJHUUk/edit?resourcekey=0-EvVSt1KzjYHTm24HsAhU2A</a>	

## APPENDIX:

GRADING SCHEME				
مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	مقبول بقرار	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				
NB Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				



ملاحظة: هذا النموذج تم وضعه وتقديمه من قبل مديرية ضمان الجودة في وزارة التعليم العالي والبحث العلمي