



## "COURSE PORTFOLIO"

### Module Information

معلومات المادة الدراسية

Module Title	Tissue			Module Delivery	
Module Type	Basic			<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	Bio-				
ECTS Credits	7.0				
SWL (hr/sem)	175				
Module Level	3	Semester	1		
Department	Biological	College	College of Science		
Module Leader	M.M. Ahmed Jamil Abdul-Hussein	E-mail	ahmed.jamil.abid@uomus.edu.iq		
Module Leader's Acad. Title		Module Leader's Qualification			
Module Tutor	Name (if available)	e-mail	E-mail		
Peer Reviewer Name	Name	e-mail	E-mail		
Scientific Committee Approval Date		Version Number			

Student Workload (SWL): Structured SWL (h/w) (Two contact hours of lectures) + Unstructured SWL (h/w) .

### Student Workload (SWL)

الحمل الدراسي للطالب

Structured SWL (h/sem)	64	Structured SWL (h/w)	4
الحمل الدراسي المنتظم للطالب خلال الفصل		الحمل الدراسي المنتظم للطالب أسبوعيا	
Unstructured SWL (h/sem)	111	Unstructured SWL (h/w)	7.40
الحمل الدراسي غير المنتظم للطالب خلال الفصل		الحمل الدراسي غير المنتظم للطالب أسبوعيا	
Total SWL (h/sem)	175		
الحمل الدراسي الكلي للطالب خلال الفصل			



### Relation with other Modules:-

<b>Relation with other Modules</b>			
العلاقة مع المواد الدراسية الأخرى			
<b>Prerequisite module</b>	<b>None</b>	<b>Semester</b>	
<b>Co-requisites module</b>	<b>None</b>	<b>Semester</b>	

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

#### أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<b>COURSE DESCRIPTION:</b>	This course provides an in-depth study of the microscopic structure of human cells, tissues, and organs. It introduces students to the fundamental principles of histology, focusing on the identification, classification, and functional characteristics of the four basic tissue types: epithelial, connective, muscle, and nervous tissues. Through integrated theoretical lectures and hands-on laboratory sessions, students learn to examine and interpret histological slides using the light microscope. The course also emphasizes the correlation between tissue structure and function, preparing students for advanced studies in anatomy, physiology, pathology, and related biomedical sciences.
<b>Module Aims</b> أهداف المادة الدراسية	<ul style="list-style-type: none"><li>• Introduce students to the microscopic structure of human cells and tissues.</li><li>• Enable students to differentiate between the main tissue types and describe their characteristics and functions.</li><li>• Integrate theoretical knowledge with practical experience through the study of real microscopic slides.</li><li>• Prepare students for advanced courses such as anatomy, physiology, pathology, and histopathology.</li><li>• Develop students' skills in microscopic observation, analysis, and scientific interpretation</li></ul>
<b>Module Learning Outcomes</b>	<p>Explain the basic structure of human cells and tissues.</p> <p>Identify the four main types of tissues: epithelial, connective, muscle, and nervous tissues.</p> <p>Describe the relationship between tissue structure and organ function.</p>



مخرجات التعلم للمادة الدراسية

#### Cognitive Skills

Analyze microscopic images and identify histological features.

Interpret histological changes and relate them to biological functions.

#### Practical Skills

Properly use the light microscope to examine histological slides.

Prepare practical reports based on microscopic observations.

#### General Skills

Work effectively within a laboratory team

#### Indicative Contents

المحتويات الإرشادية

### Learning and Teaching Resources

مصادر التعلم والتدریس

	Text	Available in the Library?
1- Required textbooks		No
2- Main references (sources)		No
A- Recommended books and references (scientific journals, reports, etc.)		No

### 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	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	A considerable amount of work is



				required

**Note:** Marks 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.

### COURSE SCHEDULE:-

Week	hours	Topics Covered	Learning Outcomes
1	2	Epithelial tissues	
2	2	Connective tissue components	
3	2	Muscle tissue	
4	2	<i>Nervous tissue</i>	
5	2	<i>Nervous system</i>	
6,7	2	<i>Hematologic system</i>	
8	2	Lymphatic organs	
9	2	Digestive system	
10	2	Endocrine glands	



<b>11</b>	2	Reproductive system	
<b>12</b>	2	Sensory system	
<b>13</b>	2	Skin	
<b>14</b>	2	Exam	
<b>Final Exam</b>			

### Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

Week	Material Covered
Week 1	<b>Covering and Lining Epithelial Tissues</b>
Week 2	<b>Glands and Their Types</b>
Week 3	<b>Primary Connective Tissue</b>
Week 4	<b>Special Connective Tissue</b>
Week 5	<b>Muscle Tissue</b>
Week 6,7	<b>Midterm Exam</b>
Week 8	<b>Nervous Tissue</b>



<b>Week 9</b>	<b>Circulatory System</b>
<b>Week 10</b>	<b>Lymphatic Organs</b>
<b>Week 11</b>	<b>Integumentary System/Skin</b>
<b>Week 12</b>	<b>Digestive System</b>
<b>Week 13</b>	<b>Digestive System Continued</b>
<b>Week 14</b>	<b>Reproductive System</b>
<b>Week 15</b>	<b>Endocrine Glands</b>

### **Learning Outcomes and Assessment Methods for " Immunology " Course.**

<b>Topics Covered</b>	<b>Learning Outcomes</b>	<b>Strategies for Achieving Outcomes</b>	<b>Assessment Methods</b>
Epithelial tissues	1-6	Report Writing, Field Visits, Theoretical Lectures, Scientific Films, Exploratory Work Teams.	Quizzes, Major reports, discussions during lectures, Written Exams, <b>oral exams.</b>
Connective tissue components	1-3	Problem-Based Learning, Report Writing, Field Visits, Scientific Trips, Theoretical Lectures, Small Group Discussions, Scientific Films, Exploratory Work Teams.	<b>Seminars</b> , Major reports, and discussions during lectures. Written Exams, <b>oral exams.</b>
<i>Hematologic system</i>		Problem Based Learning, Report Writing, Theoretical Lectures,	Quizzes, discussions during lectures, Written Exams,



	3-6	Small Group Discussions, Scientific Films.	homework, and <b>oral exams</b> .
Lymphatic organs	1-6	Report Writing, Scientific Trips. Theoretical Lectures, Small Group Discussions, and Scientific Films.	<b>Seminars</b> , Major reports, and discussions during lectures. Written Exams, <b>oral exams</b> .
Digestive system	1-3	Theoretical Lectures, Small Group Discussions,	<b>Seminars</b> , quizzes, discussions during lectures, Written Exams, <b>and oral exams</b> .
Endocrine glands	1-6	Problem-Based Learning, Report Writing, Field Visits, Scientific Trips, Theoretical Lectures, Small Group Discussions, Scientific Films, and Exploratory Work Teams.	<b>Seminars</b> , quizzes, Major reports, Written Exams, homework, and <b>oral exams</b> .
Reproductive system	2-3	Problem-Based Learning, Theoretical Lectures, Small Group Discussions.	Quizzes and discussions during lectures. Written Exams, Homework.

### Module Evaluation:-

#### Module Evaluation

#### تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative	Quizzes	2	10% (10)	5, 10	LO #1, 3 and 5
	Assignments &	2	10% (10)	2, 12	LO # 1, 3 and 6



assessment (40%)	H.W.				
	Projects / Lab.	1	10% (10)	Continuous	
	Seminar	1	10% (10)		
	Field Visits Report	1	10% (10)	10	LO # 3, 6
	Discussions During Lectures	10	10% (10)	Continuous	ALL
Summative assessment	Midterm Exam (10%)	2 hr	10% (10)	8	LO # All
	Final Exam (50%)	3hr	50% (50)	16	All
Total assessment		100% (100 Marks)			

توزيع الساعات المجدولة و الغير مجدولة (SWL= SSWL +USWL)

Activity types	Structured SWL	Un structured SWL	No. of weeks	Time Factor	SWL (hr)
Class	32	66	15	2	98
Lab.	32	45	15	2	77
Tutorial					
Self Study		7.40	15		7.40
Quizzes	2		2	30 min.	2
discussions during lectures	5		15	20 min.	5
Projects / Lab.	15	2	15	1 hr.	16
Seminar	2	5	1	15 min.	12
Assignments, Home Work		4	1		4
Report		10	1		10
Midterm Exam (10%)	4		1		4
Final Exam (50%)	4		1		4
		Total SWL (hr/ Semester)			175
		ECTS			7