



# Unit Description Form

## Course Description Form

### Faculty of Engineering / Department of



#### Unit Information

#### Course Information

<b>Unit Title</b>	<b>Tissues</b>		<b>Unit delivery</b>	
<b>Unit Type</b>	Secondary		<input checked="" type="checkbox"/> نظريه <input checked="" type="checkbox"/> حاضر <input checked="" type="checkbox"/> المختبر <input type="checkbox"/> تعليمي <input type="checkbox"/> عملي <input type="checkbox"/> Seminar	
<b>Unit Code</b>	WBM-31-07			
<b>ECTS Credits</b>	8			
<b>SWL (ساعة / SEM)</b>	45 hours			
<b>Unit level</b>	2	<b>Delivery Semester</b>		
<b>Department of Administration</b>	Biomedical	<b>College</b>	Biomedical	
<b>Unit Commander</b>			<b>E-mail Address</b>	
<b>Title of Unit Commander</b>	Assistant Lecturer	<b>Unit Commander Qualifications</b>	Master	
<b>Unit Teacher</b>	Eng. Kawthar Ali Hassan		<b>E-mail Address</b>	Kawther.ali@uowa.edu.iq
<b>Peer Reviewer Name</b>	name	<b>E-mail Address</b>	E-mail Address	
<b>Date of accreditation of the Scientific Committee</b>	26/9/2024	<b>Version number</b>	1.0	

#### Relationship with other units

#### Relationship with other subjects

<b>Prerequisites Unit</b>	No	<b>Semester</b>	
<b>Common Requirements Unit</b>	No	<b>Semester</b>	

<b>Unit objectives, learning outcomes and how-to contents</b> Course objectives, learning outcomes and instructional contents	
<b>Objectives of the Unit</b> Course Objectives	<ul style="list-style-type: none"> <li>• <b>Understanding tissue types:</b> Identify the different types of tissues in the body such as epithelial, muscular, neurological, and connective tissue.</li> <li>• <b>Study the exact characteristics of each type of tissue:</b> Learn the structural and functional characteristics of each type of tissue.</li> <li>• <b>Recognize the role of tissues in organ formation:</b> Study how different tissues interact to form organs and systems in the body.</li> <li>• <b>Understand how tissues respond to injuries and changes:</b> Study how tissues are affected by injuries and pathological changes.               <ul style="list-style-type: none"> <li>• <b>Analysis of the relationship between tissues and overall health:</b> Understand the importance of tissues in maintaining health and normal body functioning.</li> </ul> </li> </ul>
<b>Unit Learning Outcomes</b> Learning outcomes of the course	<ul style="list-style-type: none"> <li>• <b>Recognize different tissue types:</b> Ability to identify different types of tissues and their functions.</li> <li>• <b>Analysis of microscopic properties of tissues:</b> Know how to distinguish different tissues under a microscope.</li> <li>• <b>Practical application of tissue concepts:</b> Ability to apply tissue knowledge in fields such as medicine and biology.</li> <li>• <b>Understand the functional role of tissues in the body:</b> Know how tissues contribute to various body functions such as movement, sensation, and protection.               <ul style="list-style-type: none"> <li>• <b>Tissue-organ interaction:</b> Understand how tissues form organs and their diverse functions.</li> </ul> </li> </ul>
<b>Indicative Contents</b> Indicative Contents	<ul style="list-style-type: none"> <li>• <b>Introduction to Tissues:</b> Definition of tissue types and their basic functions.</li> <li>• <b>Epithelial tissue:</b> The study of tissues covering the inner and outer surfaces of the body such as the skin and intestines.</li> <li>• <b>Muscle tissue:</b> The study of tissues responsible for movement such as skeletal muscle, cardiac, and soft muscle.</li> <li>• <b>Neural tissue:</b> The study of tissues that deal with nerve signals such as nerves and brain.</li> <li>• <b>Connective tissue:</b> The study of tissues that support and connect other tissues such as tendons and cartilage.</li> <li>• <b>Specialized tissues:</b> such as blood, bone and glands tissue.               <ul style="list-style-type: none"> <li>• <b>Pathological changes in tissues:</b> the study of how tissues change due to diseases or injuries</li> </ul> </li> </ul>

<b>Learning and Teaching Strategies</b> Learning and Teaching Strategies	
<b>Strategies</b>	<ul style="list-style-type: none"> <li>• <b>Hands-on learning:</b> Using microscopes to examine tissue samples and characterize them below magnifier level.</li> <li>• <b>Interactive activities:</b> Discuss medical conditions related to tissue changes such as tumors or tissue infections.</li> <li>• <b>Case Study:</b> Analysis of medical conditions based on an understanding of tissue formation such as muscle or nerve diseases.</li> <li>• <b>Field trips:</b> Visit laboratories or hospitals to see tissue through techniques such as biopsies.</li> </ul>

- **Project-based activities:** Assign students projects to examine and study histology using different techniques.

### Student Workload (SWL)

The student's academic load is calculated for 15 weeks

<b>SWL منظم (h / sem)</b> Regular academic load of the student during the semester	30	<b>SWL regulator(h/s)</b> Regular student load per week	5
<b>SWL غير منظم (h / sem)</b> Irregular academic load of the student during the semester	15	<b>Unregulated SWL (h/s)</b> Irregular student academic load per week	5
<b>إجمالي SWL (h / sem)</b> The student's total academic load during the semester			45

### Unit Evaluation Course Evaluation

As		Time/Number	Weight (tags)	Week due	Related learning outcomes
Formative Assessment	Contests	2	10% (10)	5, 10	LO #1 , 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO #3 , 4, 6 and 7
	Projects <b>/Laboratory.</b>	1	10% (10)	continuous	every
	report	1	10% (10)	13	LO #5 , 8 and 10
Final Assessment	Midterm Exam	2 hr	10% (10)	7	LO #1-7
	Final Exam	2 hours	50% (50)	16	every
<b>Overall Rating</b>			100% (100 degree)		

### Delivery Plan (Weekly Curriculum)

Theoretical Weekly Curriculum

week	Covered Material
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	
Week 8	

Week 9	
Week 10	
Week 11	
Week 12	
Week 13	
Week 14	
Week 15	
Week 16	

Learning and Teaching Resources		
Learning and Teaching Resources		
	text	Available in the library?
Required texts	Clinical Biochemistry, (8 editions), by Leipencotts	Yes
Recommended texts		Yes
Websites		

Grading chart				
Grading chart				
group	degree	Appreciation	Tags (%)	definition
An-Najah Group (50 - 100)	A - Excellent	privilege	90 - 100	Outstanding Performance
	B - Very Good	Very good	80 - 89	Above average with some errors
	C - Good	Good	70 - 79	Proper work with noticeable errors
	D - Satisfactory	medium	60 - 69	Fair but with significant shortcomings
	E - sufficient	Acceptable	50 - 59	The work meets the minimum standards
Group failure (0 - 49)	FX - Failed	Deposit (in processing)	(45-49)	More work required but credit granted
	F - Failed	Failure	(0-44)	Large amount of work required

**Note:** Signs that are more than 0.5 decimal places greater than or below the full mark will be rounded higher or lower (for example, a score of 54.5 will be rounded to 55, while a mark of 54.4 will be rounded to 54). The university has a policy of not tolerating "imminent traffic failure", so the only modification to the marks granted by the original mark(s) will be the automatic rounding described above.