Unit Description Form

Course Description Form

Faculty of Engineering / Department of

Unit Information

Course Information

Unit Title	**Anatomy of the brave**	**Unit delivery**	
Unit Type	**fundamental**		**نظريه ☒** **حاضر ☒** **المختبر ☒** **تعليمي ☐** **عملي ☐** **Seminar ☐**
Unit Code	WBM-31-08		
ECTS Credits	**8**		
SWL (ساعة / SEM)	**45 hours**		

Unit level	1	**Delivery Semester**	1
Department of Administration	Biomedical	**College**	Engineering
Unit Commander	M.Dr. Nategh Aziz Imran	**E-mail Address**	natik.aziz@uowa.edu.iq
Title of Unit Commander	Assistant Doctor	**Unit Commander Qualifications**	Doctor
Unit Teacher		**E-mail Address**	
Peer Reviewer Name	name	**E-mail Address**	E-mail Address
Date of accreditation of the Scientific Committee	26/9/2024	**Version number**	1.0

Relationship with other units

Relationship with other subjects

Prerequisites Unit	No	**Semester**	
Common Requirements Unit	No	**Semester**	

Unit objectives, learning outcomes and how-to contents Course objectives, learning outcomes and instructional contents	
Objectives of the Unit Course Objectives	• **Understanding tissue types**: Identify the different types of tissues in the body such as epithelial, muscular, neurological, and connective tissue. • **Study the exact characteristics of each type of tissue**: Learn the structural and functional characteristics of each type of tissue. • **Recognize the role of tissues in organ formation**: Study how different tissues interact to form organs and systems in the body. • **Understand how tissues respond to injuries and changes**: Study how tissues are affected by injuries and pathological changes. • **Analysis of the relationship between tissues and overall health**: Understand the importance of tissues in maintaining health and normal body functioning.
Unit Learning Outcomes Learning outcomes of the course	• **Recognize different tissue types**: Ability to identify different types of tissues and their functions. • **Analysis of microscopic properties of tissues**: Know how to distinguish different tissues under a microscope. • **Practical application of tissue concepts**: Ability to apply tissue knowledge in fields such as medicine and biology. • **Understand the functional role of tissues in the body**: Know how tissues contribute to various body functions such as movement, sensation, and protection. • **Tissue-organ interaction**: Understand how tissues form organs and their diverse functions.
Indicative Contents Indicative Contents	• **Introduction to Tissues**: Definition of tissue types and their basic functions. • **Epithelial tissue**: The study of tissues covering the inner and outer surfaces of the body such as the skin and intestines. • **Muscle tissue**: The study of tissues responsible for movement such as skeletal muscle, cardiac, and soft muscle. • **Neural tissue**: The study of tissues that deal with nerve signals such as nerves and brain. • **Connective tissue**: The study of tissues that support and connect other tissues such as tendons and cartilage. • **Specialized tissues**: such as blood, bone and glands tissue. • **Pathological changes in tissues**: the study of how tissues change due to diseases or injuries

Learning and Teaching Strategies Learning and Teaching Strategies	
Strategies	• **Hands-on learning**: Using microscopes to examine tissue samples and characterize them below magnifier level. • **Interactive activities**: Discuss medical conditions related to tissue changes such as tumors or tissue infections. • **Case Study**: Analysis of medical conditions based on an understanding of tissue formation such as muscle or nerve diseases. • **Field trips**: Visit laboratories or hospitals to see tissue through techniques such as biopsies.

	• **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

SWL منظم (h / sem) Regular academic load of the student during the semester	30	**SWL regulator(h/s)** Regular student load per week	5
SWL غير منظم (h / sem) Irregular academic load of the student during the semester	15	**Unregulated SWL (h/s)** Irregular student academic load per week	5
SWL إجمالي (h / sem) 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 /Laboratory.	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
	Overall Rating		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.