

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Anatomy I		Module Delivery	
Module Type	Basic		☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	MDER213			
ECTS Credits	5			
SWL (hr/sem)	125			
Module Level	2	Semester of Delivery		3
Administering Department	Type Dept. Code	College	Type College Code	
Module Leader	Msc Hussain Abdulhasan Owaid		e-mail	Hussain-a@utq.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Msc	
Module Tutor	Msc Hussain Abdulhasan Owaid		e-mail	Hussain-a@utq.edu.iq
Peer Reviewer Name			e-mail	Hasnaa.Mohammed@alayen.edu.iq
Scientific Committee Approval Date			Version Number	

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



Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	This course will provide the students with the basic knowledge of human anatomy in the context of macroscopy and microscopic structure, mechanics, and function. The focus is on the healthy body, concerning diseases and aging. It provides basic biological knowledge in human systems for bioengineering applications.		
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Knowledge	A2	A2-1: Define the basic principles of human anatomy, including anatomical terminology, body planes, and structural organization of the human body. A2-2: Identify major organs and systems such as the cardiovascular, respiratory, musculoskeletal, and nervous systems, along with their functions and interrelationships. A2-3 Appropriate methods such as dissection, anatomical models, and imaging techniques (e.g., X-ray, MRI), and relate them to clinical applications and case studies.
		A3	A3-1: Recognize the anatomical structures through dissection, anatomical models, and medical imaging techniques (such as x-rays, CT scans, and MRIs), ensuring accurate identification and understanding of body systems. A3-2: Apply anatomical relationships, structural differences, and clinical relationships, integrating theoretical concepts with practical observations while adhering to safety protocols and professional ethics. A3.3 examine using mannequins (such as plastic anatomical models or 3D representations of body parts) in a systematic way that assesses their understanding of anatomical information and their practical application. Here are the common methods used to examine students on mannequins:
	Skills	B1	B1.1 Function efficiently as an individual B1.2 Function as a member of multidisciplinary and multicultural teams
		B2	B2.1 Communicate effectively – graphically with a range of audiences using contemporary tools. B2.2 Communicate verbally and in writing with a range of audiences using contemporary tools.
	Ethics	C2	C1-1: Commit to quality standards. C1-2: Adhere to deadlines. C1-3: Strive for continuous improvement.
	1.		
Indicative Contents	An Introduction to the Human Body (3h) Terms of description		

المحتويات الإرشادية	• Movement • Basic anatomical structures • Imaging anatomy • Sectional anatomy Anatomy of the upper limbs (8h) • Bone • Muscles • Joints • Movements • Nerve injuries Anatomy of the lower limbs (8h) • Bone • Muscles • Joints • Movements • Nerve injuries The Thorax (3h) • Thoracic cage • Intercostal spaces & muscles • Respiration Pleural cavity (3h) • The pleura • The lungs The Mediastinum (3h) • Division & sub Division The Heart (3h) • Heart chambers • Great blood vessels • Blood circulation
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Lectures Brainstorming strategy Practical demonstrations Research projects



Student Workload (SWL)			
الحمل الدراسي للطلاب محسوب لـ ١٥ أسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	2.5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	46	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	3.06
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	125		

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5 and 10	A1
	Attendance		10% (10)		
	Report / Lab.	1	15% (15)	10	1-9
	projects	1	15% (10)	7	LO #1-14
Summative assessment	Midterm Exam	1hr	10% (10)	10	LO #6-9
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)		
المنهاج الاسبوعي النظري		
	Material Covered	Los
Week 1	Introduction to anatomy (Terms of description & movement, Basic anatomical structures, Imaging anatomy, sectional anatomy)	
Week 2	The Upper & Lower Limbs (Osteology of shoulder region, joints of shoulder girdle, Scapular & shoulder muscles, axilla & brachial plexus)	A2 A3 B1 C1
Week 3	Arm & elbow joint	A2 A3C1
Week 4	The Cubital fossa & forearm	A2 A3 B1 C3
Week 5	Wrist & hand	A2 A3B2 C1
Week 6	The gluteal region	A2 A3 C1
Week 7	The hip joint & osteology of femur, the thigh	A2 A3 C1

Week 8	Knee joint & popliteal fossa, the leg & its compartments, venous system of lower limb	A2 A3 B1 C1
Week 9	Ankle joint & arches of the foot, the foot, nerve injuries of lower limb	A2 A3 B2 C1
Week 10	Midterm Exam	A3A2B1C1C2
Week 11	The Thorax (Thoracic cage organization - The sternum - The ribs & thoracic vertebrae)	A2 A3
Week 12	Intercostal space, Functional anatomy of respiration and diaphragm	A2 A3 B2
Week 13	Pleural cavity, The Mediastinum (Division & sub Division)	A2A3 B1
Week 14	The Heart	A2 A3 B2 C1
Week 15	Seminars	B2B1C1
Week 16	Preparatory week before the final Exam	

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر		
	Material Covered	Los
Week 1	Lab 1: Introduction to anatomy (Terms of description & movement, Basic anatomical structures, Imaging anatomy, sectional anatomy)	
Week 2	Lab 2: The Upper & Lower Limbs (Osteology of shoulder region, joints of shoulder girdle, Scapular & shoulder muscles, axilla & brachial plexus)	A3
Week 3	Lab 3: Arm & elbow joint	A3
Week 4	Lab 4: The Cubital fossa & forearm	A3
Week 5	Lab 5: Wrist & hand	A3
Week 6	Lab 6: The gluteal region	A3
Week 7	Lab 7: The hip joint & osteology of femur, the thigh	A3
Week 8	Lab 8: Knee joint & popliteal fossa, the leg & its compartments, venous system of lower limb	A3
Week 9	Lab 9: Ankle joint & arches of the foot, the foot, nerve injuries of lower limb	A3
Week 10	Lab 10: The Thorax (Thoracic cage organization. The sternum. The ribs & thoracic vertebrae)	A3
Week 11	Lab 11: Intercostal space, Functional anatomy of respiration and diaphragm	A3
Week 12	Lab 12: Pleural cavity, The Mediastinum (Division & sub Division)	A3
Week 13	Lab 13: The Heart	A3

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Tortora G. J. Principles of Human Anatomy, tenth edition; 2005.	Yes
Recommended Texts	1. Seeley R. R.; Stephens T. D. & Tate P. (1998) Anatomy & Physiology, fourth edition. 2. Moore K. L. & Dalley A. f. (1999). Clinically Oriented Anatomy, fourth edition.	No
Websites	https://eng.alayen.edu.iq//colleges/e/42	

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)	Considerable amount of work 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.

