

	<p>Ministry of Higher Education and Scientific Research - Iraq University of Warith Al-Anbiyaa College of Advanced Technologies Department of Digital Health Technologies</p>	
---	---	---

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Physiology and pathology		Module Delivery
Module Type	C		<input type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	DHTC100		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	1	Semester of Delivery	1
Administering Department	Smart Digital health Technologies	College	Advanced technical college
Module Leader	Ayyed Hameed Hassan	e-mail	ayyed.hassan@uowa.edu.iq
Module Leader's Acad. Title	professor	Module Leader's Qualification	PhD
Module Tutor	Ayyed Hameed Hassan	e-mail	ayyed.hassan@uowa.edu.iq
Peer Reviewer Name	Majli Nema Hawas	e-mail	majli.nema@uowa.edu.iq
Scientific Committee Approval Date	24/1/2026	Version Number	1

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	NA	Semester	
Co-requisites module	NA	Semester	

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	<p>This course is designed to provide the students with a comprehensive knowledge with the principle and basic concepts in pathology and evolution of physiological alteration associated with altered health and diseases, including cell injury, adaptation, abnormality in genome, neoplasia, infectious processes, inflammation and immunity Also the course focuses on disorders in WBC, and RBC, alteration in blood flow and cardiac function, respiratory disorders, in addition to physiological changes associated with different pathological conditions such as disorder in GIT and skeleton diseases.</p>
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. Enabling students to obtain knowledge and understanding of the causes of diseases, the way they occur, and the changes associated with them at the level of the cell, tissue, organ, and body, in addition to structure and function. 2. He will develop a skill that enables him to differentiate between different diseases in terms of their effects on the body. 3. Enable the student to analyze the effect of the disease on the body and its complications. 4. Enabling the student to distinguish the necessary examination for pathological conditions, which are laboratory, radiological, and other examinations. 5. Formation of a basic idea about treatment and the reason for choosing one treatment over another. 6. Enabling the student to understand the complications associated with pathological conditions.
Indicative Contents المحتويات الإرشادية	<p>Academic honesty is required in all aspects of a student's relationship with the university. Students are advised that cheating and plagiarism are not tolerated. If that happens, the student shall earn zero and be under the legal circumstances</p>

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Teaching Methods: Lectures, handouts, discussions, & assignments. Google Classroom shall be used for online discussion Evaluation Methods: Unit exam(s), Quiz, & Activity

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	60	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	90	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	7
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		

Module Evaluation تقييم المادة الدراسية					
		Time/ Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10 % (10)	8,10	LO # 1, 4, 5, 7,8
	Assignments	1	10 % (10)	11	LO # 1-15
	Lab.	6	10 % (10)	1,2,4,5,6,7	LO # 1-15
	Report	2	10 % (10)	1,8	LO # 1-15
Summative assessment	Midterm Exam	1 hr.	10 % (10)	9	LO # 1-15
	Final Exam	3 hr.	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
Material Covered	
Week 1	Cell physiology

Week 2	Nervous system
Week 3	Water and electrolytes imbalance
Week 4	Cardiovascular disorders
Week 5	Acute and chronic inflammation
Week 6	Respiratory system disorders
Week 7	Urinary system disorders
Week 8	Digestive system disorders
Week 9	Blood pressure
Week 10	Diabetes mellitus
Week 11	Physiology of muscular system
Week 12	Endocrinology
Week 13	Male and female reproductive system
Week 14	Neoplasia
Week 15	Revision for final exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Introduction
Week 2	Blood withdrawal
Week 3	Hb determination
Week 4	Rbcs count
Week 5	Wbcs count
Week 6	Blood groups
Week 7	PCV
Week 8	ESR
Week 9	Bleeding time and coagulation time
Week 10	Blood pressure
Week 11	Seminal fluid analysis
Week 12	Hearing
Week 13	Vision

Week 14	Neoplasia
Week 15	Revision for final exam

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	1. Kumar, Abbas and Aster: Robbins Basic Pathology 10th ed 2018 2. Guyton & Hall Textbook of medical physiology	yes

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.				

Head of department

Dr. Ruaa Majeed Dawood

Da : te

Lecturer

Prof. Ayyed Hameed Hassan

Date: 24/1/2026

