

	<p>Ministry of Higher Education and Scientific Research - Iraq</p> <p>University of Warith Al-Anbiyaa</p> <p>College of Advanced Technologies</p> <p>Department of Digital Health Technologies</p>	
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## 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	6.00		
SWL (hr/sem)	150		
Module Level	UGI	Semester of Delivery	
Administering Department	Digital health technology	College	Advanced technical college
Module Leader	Ayyed Hameed Hassan	e-mail	<a href="mailto:Ayyed.hassan@uowa.edu.iq">Ayyed.hassan@uowa.edu.iq</a>
Module Leader's Acad. Title	professor	Module Leader's Qualification	PhD
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date		Version Number	

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			
<b>Module Aims</b> أهداف المادة الدراسية	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.		
<b>Module Learning Outcomes</b> مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> <li>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.</li> <li>2. He will develop a skill that enables him to differentiate between different diseases in terms of their effects on the body.</li> <li>3. Enable the student to analyze the effect of the disease on the body and its complications.</li> <li>4. Enabling the student to distinguish the necessary examination for pathological conditions, which are laboratory, radiological, and other examinations.</li> <li>5. Formation of a basic idea about treatment and the reason for choosing one treatment over another.</li> <li>6. Enabling the student to understand the complications associated with pathological conditions.</li> </ol>		
<b>Indicative Contents</b> المحتويات الإرشادية	Academic honesty is required in all aspects of a student's relationship with the university. <b>Students are advised that cheating and plagiarism are not tolerated.</b> If that happens, the student shall earn zero and be under the legal circumstances		

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			Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا		
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل			Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا		
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل					
Module Evaluation تقييم المادة الدراسية					
		Time/ Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	5	5 % (5)	2,5,8,10,13	LO # 1, 4, 5, 7,8
	Assignments	5	5 % (5)	1,4,7,11,15	LO # 1-15
	Lab.	10	10 % (10)	1-9	LO # 1-15
	Report	10	10 % (10)	1-8	LO # 1-15
Summative assessment	Midterm Exam	3 hr.	20 % (20)	9	LO # 1-15
	Final Exam	3 hr.	50% (50)	15	All
Total assessment			100% (100 Marks)		
Delivery Plan (Weekly Syllabus) المناهج 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				

<b>Week 6</b>	Respiratory system disorders
<b>Week 7</b>	Urinary system disorders
<b>Week 8</b>	Digestive system disorders
<b>Week 9</b>	Blood pressure
<b>Week 10</b>	Diabetes mellitus
<b>Week 11</b>	Physiology of muscular system
<b>Week 12</b>	Endocrinology
<b>Week 13</b>	Male and female reproductive system
<b>Week 14</b>	Neoplasia
<b>Week 15</b>	Revision for final exam

### Delivery Plan (Weekly Lab. Syllabus)

المنهاج الأسبوعي للمختبر

	<b>Material Covered</b>
<b>Week 1</b>	Introduction
<b>Week 2</b>	Blood withdrawal
<b>Week 3</b>	Hb determination
<b>Week 4</b>	Rbcs count
<b>Week 5</b>	Wbcs count
<b>Week 6</b>	Blood groups
<b>Week 7</b>	PCV
<b>Week 8</b>	ESR
<b>Week 9</b>	Bleeding time and coagulation time
<b>Week 10</b>	Blood pressure
<b>Week 11</b>	Seminal fluid analysis
<b>Week 12</b>	Hearing
<b>Week 13</b>	Vision
<b>Week 14</b>	Neoplasia
<b>Week 15</b>	Revision for final exam

### Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	<ol style="list-style-type: none"> <li>1. Kumar, Abbas and Aster: Robbins Basic Pathology 10th ed 2018</li> <li>2. Guyton &amp; Hall Textbook of medical physiology</li> </ol>	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.

استاذ المادة

Prof. Ayyed Hameed Hassan

التاريخ:

رئيس القسم

Dr. Ruaa Majeed Dawood

التاريخ: