

 Knowledge UNIVERSITY	Kurdistan Region – Iraq Ministry of Higher Education and Scientific Research Knowledge University	
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MODULE DESCRIPTOR FORM

Module Information			
Course Module Title	General Pathology		
ناونیشانی مۆدیول	نەخۆشی گشتی		
عنوان الوحدة	علم الامراض العام		
Course Module Type	Core	Module Code	
ECTS Credits		Module Level	
Semester of Delivery		Dept. Code	DMLS
College (Code)	SCI		
Module Website (CMW)	Knu.edu.iq		
Module Leader (ML)	Dhary Alewy Almashhadany	e-mail	dhary.alewy@knu.edu.iq
ML Acad. Title	Professor	Qualification	PhD
ML ORCID	https://orcid.org/0000-0003-4346-6532		
ML Google Scholar Acc.	https://scholar.google.com/citations?user=ZeiQsmIAAAAJ&hl=en		
Peer Review Name	Salah Madi Saleem Al-Bader	e-mail	salah.mahdi@knu.edu.iq
Reviewer Committee Approval	10/09/2022	Version Number	

Relation With Other Modules	
Pre-requisites	None
Co-requisites	
Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	- How to take Biopsy from human body. - Comparing between different types of cell injury. - How to do macroscopic and microscopic examination of the specimens. - Study the main topics in general pathology (Inflammation, Necrosis, and Gangrene) .
Module Learning Outcomes	Upon completing this chapter students should be able to: 1. Define pathology 2. Discuss the core aspects of disease in pathology 3. Know the diagnostic techniques used in pathology 4. Know the various categories of the causes of diseases 5. Know the course, outcome, consequences of diseases 6. Recognize and differentiate between acute and chronic inflammation. 7. Explain the apoptosis and necrosis of the cells .
Indicative Contents	This unit provides an introduction to the scientific basis of human diseases with emphasis on the clinical presentation, prognosis, treatment and underlying mechanisms of diseases affecting human organ systems. Students participate in tutorial and practical classes that demonstrate disease pathology and laboratory techniques used to assess human disease in clinical and research settings.
Learning and Teaching Strategies	
Strategies	General Pathology plays a serious role in guiding clinical decisions about patient diagnosis and treatment. It also is a vital tool in screening and disease avoidance programs that contributes to the overall health and wellbeing of peoples. Inadequate pathology services result in unsuccessful treatment programs due to delayed or mistaken diagnoses, which affect patient care directly and lead to wrong estimates of disease rates. The latter results in a compromised ability for health care systems to plan for resource allocation, which in turn results in poorer clinical outcomes.

Module Delivery	
Structured workload (h/w)	h/w
Unstructured workload (h/w)	h/w
Total workload (h/w)	h/w

Module Evaluation				
	Number/Time	Weight (Marks)	Week Due	Relevant Learning Outcome
Quizzes	2	5% (5)	5 or 5, 10	
Assignments	2	5% (5)	At the start	
Seminar	1	5% (5)	8	
Project/Lab.	1	5% (5)	Continuous	
Lab Activity	5	10% (10)	2-14	
Midterm Exam (Th)	1 hr	10% (10)	7	
Midterm Exam (Pr)	1 hr	10% (10)	7	
Final Exam	2 hr	50%	15	
Total	100% (100 Marks)			

Learning and Teaching Resources		
	Text	Available in the Library?
Required Texts	PATHOLOGY PRACTICAL BOOK(By: Harsh Mohan)	available online
Recommended Texts	Robbins Basic Pathology , (by Kumar et al .) .	available online
Websites	https://www.elsevier.com/books/robbins-basic-pathology/kumar/978-0-323-35317-5	

Delivery Plan (Weekly Syllabus)	
	Material Covered

Week 1	Introduction to Pathology
Week 2	Cell Injury
Week 3	Apoptosis and Necrosis
Week 4	Gangrene
Week 5	Inflammation
Week 6	Acute and Chronic Inflammation
Week 7	Mid-Term Exam
Week 8	Introduction to oedema
Week 9	Signs and Symptoms of Oedema
Week 10	Causes of oedema
Week 11	Allergies
Week 12	Cytopathology
Week 13	Wounds
Week 14	Fractures
Week 15	Final Exam

APPENDIX:

KNOWLEDGE UNIVERSITY					
GRADING SCHEME					
Group	ECTS Grade	% of Marks	Definition	IRQ System	GPA
Success Group (50-100)	A - Excellent	Best 10%	Outstanding Performance	90-100	5
	B - Very Good	Next 25%	Above average with some errors	80-89	4

	C - Good	Next 30%	Sound work with notable errors	70- 79	3
	D - Satisfactory	Next 25%	Fair but with major shortcomings	60-69	2
	E - Sufficient	Next 10%	Work meets minimum criteria	50-59	1
Fail Group (0–49)	FX – Fail	(45-49)	More work required but credit awarded	40-49	
	F – Fail	(0-44)	Considerable amount of work required	0-44	

NB 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. KNU 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.