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

MODULE DESCRIPTOR FORM

Module Information			
Course Module Title	**Systemic Pathology**		
ناونیشانی مۆدیول	**نەخۆشی گشتی**		
عنوان الوحدة	علم الامراض الجهازي		
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		
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Peer Review Name	**Salah Madi Saleem Al-Bader**	**e-mail**	**salah.mahdi@knu.edu.iq**
Reviewer Committee Approval	**12/1/2023**	**Version Number**	

Relation With Other Modules	
Pre-requisites	None
Co-requisites	
Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	- To study the basic principles of disease and dysfunction. - To teach theory, and applications of pathological analysis. - To understand the main causes development and progress of diseases. - To differentiate between Biopsy and Autopsy. - To learn how the body is affected.
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	**Students do not learn unless they actively apply their new knowledge. Getting students to use the material from a course is probably the single most important thing an instructor can do. It is even more important that readers engaged in self-study make themselves do exercises as well as read the text.** **Laboratory exercises, homework assignments, and in-class problems are all excellent ways to get students to use knowledge.**

Module Delivery	
Structured workload (h/w)	H2/w
Unstructured workload (h/w)	H2/w
Total workload (h/w)	H4/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 Tumor**
Week 2	**Breast Cancer**
Week 3	**Introduction to TB**
Week 4	**Diagnosis of TB**
Week 5	**Introduction to Pneumonia**
Week 6	**Classification of Pneumonia**
Week 7	**Mid-Term Exam**
Week 8	**Urinary Tract Infection**
Week 9	**Liver Pathology**
Week 10	**Pathology of Gastrointestinal tract**
Week 11	**Pathology of Endocrine and Exocrine system**
Week 12	**Pathology of Heart and Lymphatic system**
Week 13	**Pathology of Respiratory system**
Week 14	**Pathology of circulatory and other system**
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.