
 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	Medical Mycology		
ناونیشانی مۆدیول	که روزانی بزیشکی		
عنوان الوحدة	الفطريات الطبية		
Course Module Type	CORE	Module Code	CS101
ECTS Credits	6	Module Level	4
Semester of Delivery	7	Dept. Code	DMLS
College (Code)	CSCN30000+		
Module Website (CMW)	Knu.edu.iq/sms		
Module Leader (ML)	Salah Mahdi Saleem	e-mail	salah.mahdi@knu.edu.iq
ML Acad. Title	Prof. dr.	Qualification	PhD
ML ORCID	https://orcid.org/0000-0002-9702-5567		
ML Google Scholar Acc.	https://scholar.google.com/citations?user=qeufu5cAAAAJ&hl=en		
Peer Review Name	Dr. Dhary Alewy	e-mail	dhary.alewy@knu.edu.iq
Reviewer Committee Approval	10 /9 /2022	Version Number	I

Relation With Other Modules	
Pre-requisites	Mycology
Co-requisites	
Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	<p>The course aims to explain:</p> <ol style="list-style-type: none"> 1- The basic properties of fungi and their importance. 2- Fungal harm that is caused to human health. 3- The types of fungal infections. 4- The fungal allergy. 5- Fungal mycotoxins. 6- Antifungal agents and antifungal of plant extracts.
Module Learning Outcomes	<p>Students at the end of this module:</p> <ol style="list-style-type: none"> 1. Should have the skills to collect several types of samples and culture them. 2. Should be able to identify causative agents. 3. Have theoretical information about fungal-borne diseases and poisonous fungi. 4. Have the ability to educate individuals about the dangers of fungal contamination and the factors predisposing to the occurrence of infection
Indicative Contents	<p>The module is expected to cover the following topics:</p> <ul style="list-style-type: none"> • The morphology and taxonomy of pathogenic fungi. • The mycoses - superficial and cutaneous, subcutaneous, and systemic. • Virulence factors, immunology, aspects of treatment.
Learning and Teaching Strategies	
Strategies	<p>Lectures and tutorials provide background information on each type of fungal infection/disease and introduce fungal identification methods. The practical classes enable students to develop the skills to identify fungi and learn how to use their knowledge of the diseases and fungi to aid in the interpretation of the laboratory tests. The practical section is considered essential to develop the skills needed to take the practical-based exam.</p>

Module Delivery	
Structured workload (h/w)	2h/w

Unstructured workload (h/w)	4h/w
Total workload (h/w)	8h/w

Module evaluation						
	Med term	Activity	Final	Total		
Theory	20%	5%	40%	60%		
Practical	10%	5%	20%	40%		

Learning and Teaching Resources		
	Text	Available in the Library?
Required Texts	<p>1-Introduction to fungi. Jhon Webestr and Roland Weber. 3ed. Cambridge University (2007)</p> <p>2-Atlas of clinical fungi (2000). De Hoog, G. S; Guarro, J; Gene, J & Figueras. M. J.</p> <p>3-Discription of medical fungi. (2003) Ellis D., Davis,S. ,Alexiou, H. ,Handker, R. and Bartley, R. pp.198.</p>	YES
Recommended Texts	<p>1-Fungal mycotoxins in foods: A review Samuel A.O. Adeyeye ORCID Icon Fatih Yildiz (Reviewing Editor).</p> <p>2-Nazari Z, Ghaffari J, Ghaffari N, Ahangarkani F. A review on hypersensitivity reactions to fungal aeroallergens in patients with allergic disorders in Iran. Curr Med Mycol. 2019 Mar;5(1):42-47. doi: 10.18502/cmm.5.1.537. PMID: 31049458; PMCID: PMC6488288.</p>	NOT
Websites	<p>https://www.youtube.com/watch?v=vemQmpg4fW0</p> <p>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4329327/</p> <p>https://jamanetwork.com/journals/jama/article-abstract/273809</p>	

Delivery Plan (Weekly Syllabus)

	Material Covered
Week 1	<ul style="list-style-type: none"> ● Introduction to mycology
Week 2	<ul style="list-style-type: none"> ● Divisions of mycology ● Important of medical mycology.
Week 3	<ul style="list-style-type: none"> ● Classification of fungal infections ● Superficial mycoses.
Week 4	<ul style="list-style-type: none"> ● Cutaneous mycosis- types and causative agents
Week 5	<ul style="list-style-type: none"> ● Dermatophytosis
Week 6	<ul style="list-style-type: none"> ● Characteristics and site of infections
Week 7	Mid-Term Exam
Week 8	<ul style="list-style-type: none"> ● Pityriasis versicolor
Week 9	<ul style="list-style-type: none"> ● Dermatomycosis
Week 10	<ul style="list-style-type: none"> ● Subcutaneous mycosis
Week 11	<ul style="list-style-type: none"> ● Systemic mycosis
Week 12	<ul style="list-style-type: none"> ● Opportunistic fungi
Week 13	<ul style="list-style-type: none"> ● Fungal allergy
Week 14	<ul style="list-style-type: none"> ● Fungal mycotoxins
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.