

A COURSE MODULE DESCRIPTOR FORM

Module Information			
Course Module Title	Medical Bacteriology		
ناوی کۆرس مۆدیۆل	به‌کتریاپی پزیشکی		
عنوان الوحدة	علم البكتريا الطبية		
Course Module Type	Core subject	Module Code	Nu 103
ECTSs	6		
Department	Nursing		
Department Code	NU		
Module Website (CMW)	https://lms.noble.edu.krd/		
Module Leader (ML)	Dr.Rabar Mohammed Hussein		
NTI - E - mail	Rabar.hussein@noble.edu.krd		
ML Acad. Title	Lecturer		
ML ORCID	NA		
ML Google Scholar Acc	NA		

Relation with Other Modules	
(Please specify)	
Pre-requisites	Na
Module Aims, Learning Outcomes and Indicative Contents	
Module Introductory Description	<p>The course provides an introduction to;</p> <ul style="list-style-type: none"> • Demonstrate microscopy and staining • The basic microbial structure • Culture media and their applications • Sterilization . • Cultures of bacteria • Physical and Chemical growth requirements of bacteria • Biochemical characteristic of bacteria • Special diagnosis • Antibiotic and sensitivity
Module Aims	To understanding the microorganism and it`s relation to our health Laboratory diagnosis, Biosafety measures, Examination of samples, Quality control
Module Learning Outcome	<p>after the end of the semester the students will be able to ;</p> <ul style="list-style-type: none"> • Demonstrate practical skills in microscopy and its handling . • Understand the basic microbial structure and function . • Know

	<p>various Culture media and their applications</p> <ul style="list-style-type: none"> • Understand various physical and chemical means of sterilization .
Learning and Teaching Strategies	
Strategies	<ol style="list-style-type: none"> 1. Small groups. 1. video learning. 2. working on projects. 3. student center (presenting seminars by students). 4. scientific trips to telecommunication companies. 5. letting students become an assistant at lab. <p>The above-mentioned learning and strategies have been implemented as a strategy of learning and teaching in order to motivate the students to participate and engage to the class more effectively.</p>
Required texts and References	
<ul style="list-style-type: none"> • Jawetz Melnick & Adelbergs Medical Microbiology - 28th Edition-text book • Prescott’s Microbiology (9th Edition) • Bailey & Scott’s Diagnostic Microbiology (13th Edition) • https://mtu.edu.iq/blog/techjournal/. 	

Module Delivery	
Total workload Per week	
Contact Theoretical Hours – Per term	15

Spring Semester

Academic Year 2023 – 2024

2nd semester First graders

Contact Practical Hours – Per term	30
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Module Assessment			
The following activities or any other activities that match the Bologna process can be performed			
Module Activities	Time /Number	Weight (Marks)	Week Due
Contact hours – Participation	Daily bases	5%	Weekly
(Science / Lab)	5	5%	Weekly
Presentation / Seminar	5	5%	seminar
Tutorial	5	5%	10 th
Quiz	5	5%	3 th and 11 th
Self-study	5	5%	weekly
Projects	5	5%	13 th
Oral assessment	5	5%	12 th
Midterm Exam	1	20%	7 th
Final Exam	1	40%	15 th
Total	100	100%	

Delivery Plan (Designed Syllabus)	
	Course Module Content
Week 1	Introduction to Microbiology & its branches.
Week 1	Classification of Bacteria- shape - structure of bacteria
Week 2	Physiology of bacteria, growth, nutrition, use of oxygen.
Week 3	Pathogenicity of bacteria, Sources of contaminations



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Week 4	Gram positive cocci
Week 5	Gram positive bacilli
Week 6	Midterm exam
Week 7	anaerobic bacteria.
Week 8	Gram negative bacteria.
Week 9	Gram negative bacteria.
Week 10	Common bacterial disease according to organ
Week 11	Antibiotics
Week 12	Antibiotics
Week 13	Oral
Week 14	Review
Week 15	Final exam

Course Keywords

Microbiology, bacteriology, infection control