

Kurdistan Region Government Ministry of Higher Education and Scientific Research Erbil Polytechnic University



Module (Course Syllabus) Catalogue 2022-2023

College/ Institute	Erbil Technical Health and Medical College			
Department	Medical Laboratory Technology			
Module Name	Bacteriology			
Module Code	BAC405			
Degree	Technical Diploma Bachelor *			
	High Diploma Master PhD			
Semester	4			
Qualification				
Scientific Title				
ECTS (Credits)	6			
Module type	Prerequisite Core * Assist.			
Weekly hours				
Weekly hours (Theory)	(2)hr Class ()Total hrs Workload			
Weekly hours (Practical)	(2)hr Class ()Total hrs Workload			
Number of Weeks	12			
Lecturer (Theory)	Assist. Prof. Dr. Sanaria Fawzi Jarjes			
E-Mail & Mobile NO.	sanariafj@epu.edu.iq			
Lecturer (Practical)	Lecturer Chiman Hameed Saeed			
E-Mail & Mobile NO.	chiman.saeed@epu.edu.iq /			
Websites				

Course Book

Course Description	This course, which consists of (2) hours theoretical lecture & (2) hours laboratory practices per week, provides an overview of medically important bacterial species. Emphasis is placed upon their morphological and physiological characteristics, classification & their relationship to human health and infections. Practical lessons will endeavor to provide the student with the most comprehensive experiences on standard methods used to identify various bacterial species.				
Course objectives	This course is prepared to provide a comprehensive understanding about the medically significant bacterial species and the routine identification methods used in medical laboratories. As well as the principles behind antibacterial chemotherapies.				
Student's obligation	The role of students and their obligations throughout the academic year are: • Preparing for class (attendance, quizzes, reports, seminars and exams). • Willing to work hard to complete course activities. • Willing to bring their life experiences into the class to enrich discussions. • Matching deadlines for submitting their homeworks and other assignments.				
Required Learning Materials					
		Task	Weight (Marks)	Due Week	Relevant Learning Outcome
]	Paper Review			
		Homework	5%		
Evaluation	Ass	Class Activity	2%		
Lvaiuadon	Assignments	Report			
	mer	Seminar	400/		
	nts	Essay	10%		
		Project			
	Qu	1Z	8%		

	Lab. Reports & activity	10%		
	Midterm Exam	25%		
	Final Exam	40%		
	Total	100%		
Specific learning outcome:	At the conclusion of this the following outcomes: 1. Demonstrate and bacteriology incl. 2. Demonstrate and bacterial species. 3. Organize a bacte. 4. Identify bacterial laboratories. 5. Demonstrate bas bacterial species.	understanding uding termino understanding rial identificated species communicated aboratory sic laboratory s	of the basic concology. of the characteristion system. nonly noted in me	epts of tics of various edical
Course References:	 Jawetz, Melnick & Adelberg's Medical Microbiology. (2019). 28th ed., Mc Graw Hill Medical. MURRAY, P.R. (2018). Basic Medical Microbiology. Elsevier. Kamel,F. And Jarjes,S. (2015). Essentials of Bacteriology and Immunology. Greenwood, D.; Slack, R.; Peutherer, J. and Barer, M. (2007). Medical Microbiology, 17th ed.,Elsevier. 			
Course topics (Theor	ry)		Week	Learning Outcome
General introduction to Review.	bacteriology & Sylla	abus	1	1

Bacillus spp. & Clostridium spp.	4	1,2,3
Listeria monocytogenes & Corynebacterium spp.	5	1,2,3
Neisseria spp.	6	1,2,3
Enteric bacteria	7	1,2,3
S4-Mid Term Exam	8	1,2,3
Pseudomonas spp.	9	1,2,3
Brucella spp.	10	1,2,3
Vibrio cholerae	11	1,2,3
Campylobacter spp.	12	1,2,3
Helicobacter pylori	13	1,2,3
Mycobacterium spp.	14	1,2,3
S4-Final Exam- Preparation (First trial)	15	1,2,3
S4-Final Exam	16	1,2,3
Practical Topics	Week	Learning Outcome
Staphylococci	1	4,5
Streptococci	2	4,5
Bacillus spp. & Clostridium spp.	3	4,5
	3	
Listeria monocytogenes & Corynebacterium spp.	4	4,5
Listeria monocytogenes & Corynebacterium spp. Neisseria spp.		4,5 4,5
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Neisseria spp.	5	4,5
Neisseria spp. Enteric bacteria	5 6	4,5 4,5

Brucella spp.	10	4,5
Vibrio cholerae	11	4,5
Campylobacter spp.	12	4,5
Helicobacter pylori	13	4,5
Mycobacterium spp.	14	4,5
S4-Final Exam- Preparation (First trial)	15	4,5
S4-Final Exam	16	4,5

Questions Example Design 1. Multiple choices

- 2. Compositional questions:

What?

How?

Why?

- 3. Open-end: Fill in the blanks
- 4. Enumeration
- 5. True and false: Answer True (T) or False (F) about each of the following statements & correct the false statements

Extra	no	tes	:
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External Evaluator