



Form: Course Syllabus	Form Number	EXC-01-02-02A
	Issue Number and Date	2963/2022/24/3/2 5/12/2022
	Number and Date of Revision or Modification	
	Deans Council Approval Decision Number	2/3/24/2023
	The Date of the Deans Council Approval Decision	23/01/2023
	Number of Pages	15

1	Course title	Microbiology for Nursing
2	Course number	5701108
3	Credit hours	3 hours
	Contact hours (theory, practical)	3 hours per week
4	Prerequisites/corequisites	5501101
5	Program title	Bachelor in Nursing
6	Program code	-
7	Awarding institution	The University of Jordan – Aqaba branch
8	School	School of Nursing
9	Department	Nursing
10	Course level	First year
11	Year of study and semester (s)	Second Semester 2023/2024
12	Other department (s) involved in teaching the course	Marine Biology Department
13	Main teaching language	English
14	Delivery method	<input type="checkbox"/> Face to face learning <input checked="" type="checkbox"/> Blended <input type="checkbox"/> Fully online
15	Online platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom



		<input type="checkbox"/> Others.....
16	Issuing/Revision Date	18/02/2024

17 Course Coordinator:

Dr. Zeinab H. Arabeyyat

Office number: 342

Office hours: 10:30 – 11:30 am (Sunday and Tuesday), 11:30 – 13:00 pm (Monday)

Phone number: 032090450 ext. 36051

Email address: z.arabeyyat@ju.edu.jo

18 Other instructors:

N/A

19 Course Description:

The course includes general introduction about microorganisms of different types of viruses, bacteria, fungi and parasites, and their prevalence in humans and nature, and the cellular and humeral immune responses are considered in relation to infectious disease. The course provides knowledge on the most important types of human pathogens, clinical signs and symptoms, laboratory diagnosis and prevention and treatment. Hospital acquired infection and procedures to prevent infection in hospitals and methods of sterilization and disinfection are included.

20. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PLO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)



1. Demonstrate competency in performing and providing a professional nurse's role in quality care provision for individuals, families, and groups.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Apply principles of effective communication with peers, individuals, families, groups, and health care teams	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Utilize critical thinking and problem-solving in planning and implementing nursing care for individuals, families, and groups.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Apply professional standards, values, and behaviors in providing nursing care for individuals, families, and groups.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Demonstrate safety measures to protect self, individuals, families, and groups.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Translate organizational, leadership, interprofessional collaboration, and management concepts into nursing care for individuals, families, and groups.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Utilize evidence-based practice in providing care for individuals, families, and groups.	<input checked="" type="checkbox"/>		

21. The matrix linking the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PLO's:

PLO's * CLO's	1	2	3	Descriptors**		
				Skills	Knowledge	Competency
1. Demonstrate competency in performing and providing a professional nurse's role	Become aware of the presence of microorganisms in the human body, workplace	Summarize the difference between prokaryotes and	Summarize growth nutrition of microorganism.		X	



in quality care provision for individuals, families, and groups.	and home environments.	eukaryotes as well as the prokaryotes and eukaryotes cell structure.				
2. Apply principles of effective communication with peers, individuals, families, groups, and health care teams	Apply basic microbiological principles to effective infection control.	Summarize the need for the practice of proper specimen collection and handling		X		
3. Utilize critical thinking and problem-solving in planning and implementing nursing care for individuals, families, and groups.	Summarize the basic concepts of nosocomial infections and their prevention.					X



5. Demonstrate safety measures to protect self, individuals, families, and groups.	Introduction to Virology, Parasitology, and Mycology.			X		
6. Translate organizational, leadership, interprofessional collaboration, and management concepts into nursing care for individuals, families, and groups.	Describe the basic characteristics of the major microbial classes (e.g., bacteria, viruses, protozoa and pathogenic fungi).				X	
7. Utilize evidence-based practice in providing care for individuals, families, and groups.	Discuss the concept of communicability of microorganisms on the basis of the transmission modes.					X



23. Topic Outline and Schedule:

Week	Lecture	Topic	Teaching Methods/platform	Evaluation Methods	References
1	1.1-1.2	Introduction about Microorganisms	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
2	2.1-2.2	Introduction about Microorganisms	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
3	3.1-3.2	Introduction about Microorganisms	Synchronous and Asynchronous lecturing	Assignment	Textbooks
4	4.1-4.2	Disease Mechanisms	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
5	5.1-5.2	Disease Mechanisms	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
6	6.1-6.2	Disease Mechanisms	Synchronous and Asynchronous lecturing	Assignment	Textbooks
7	7.1	Disease Mechanisms	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
	7.2	Midterm Exam			
8	8.1-8.2	Disease Mechanisms	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
9	9.1-9.2	Disease Mechanisms	Synchronous and Asynchronous lecturing	Assignment	Textbooks
10	10.1-10.2	Microbial Control	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
11	11.1-11.2	Microbial Control	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
12	12.1-12.2	Microbial Control	Synchronous and Asynchronous lecturing	Assignment	Textbooks
13	13.1-13.2	Microbial Control	Synchronous and Asynchronous lecturing	Oral questions	Textbooks



14	14.1-14.2	Microbial Control	Synchronous and Asynchronous lecturing	Oral questions	Textbooks
Final Exam – to be announced later					

22 Evaluation Methods:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	Period (Week)	Platform
Assignments	30	Selected topics	3,6,9,12	Moodle
Midterm Exam	30	Introduction about Microorganisms, and Disease Mechanisms	7	Face-to-face Exam
Final Exam	40	All topics	15 or 16	Face-to-face Exam

23 Course Requirements

Each student will be required to:

- Have a computer/laptop, internet connection, account on E-Learning and Teams.
- Bring paper and pen/pencil to class.
- Actively participate during class design.
- Complete all home assignments on time.
- Show courtesy and respect for each other and be responsible individuals.

24 Course Policies:



A- Attendance policies:

Students are recommended to attend every lecture.

B- Absences from exams and submitting assignments on time:

- Any student with five or more unexcused absences from lectures can be legally dropped from the course.
- Students cannot overwrite submissions of any assignments after the due date.

C- Health and safety procedures:

N/A

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Any act of cheating, or academic misconduct is subject to penalties. If students caught cheating, they will receive a zero on that test.

E- Grading policy:

30% (Assignments), 30% (Midterm Exam) and 40% (Final Exam).

F- Available university services that support achievement in the course:

Library, Internet connection, E-Learning and Microsoft Teams.

25 References:

A- Required book(s), assigned reading and audio-visuals:

- Hogg, S. (2005). Essential Microbiology. West Sussex: John Wiley and Sons. Chicago, 15th ed.
- Kumar, S. (2012). Textbook of Microbiology. Jaypee Brothers Medical Publishers (P) Ltd, 1st ed.
- Talaro, Kathleen P. (2002). Foundations in microbiology. Boston :McGraw-Hill, 8th ed.

B- Recommended books, materials, and media:

- The Short Textbook of Medical Microbiology (Including Parasitology) By Satish Gupte 10th Edition Price Rs. 632/- Published by Jaypee Brothers Medical Publishers (P.) Ltd. DOI: 10.3126/kumj.v8i2.3579 Kathmandu University Medical Journal (2010), Vol. 8, No. 2, Issue 30, 287.

26 Additional information:



N/A

Name of Course Coordinator: Dr. Zeinab H. Arabeyyat Signature: ----- Date: 18/02/2024
Head of Curriculum Committee/Department: ----- Signature: ----- ---
Head of Department: ----- Signature: ----- -
Head of Curriculum Committee/Faculty: ----- Signature: ----- -
Dean: ----- Signature: -----