



مركز الاعتماد
وإضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Course Name

Microbiology-1 for 3rd year dental students.

1	Course title	Microbiology-1 for 3rd year dental students
2	Course number	0544313
3	Credit hours (theory, practical)	4 (3 lectures, 1practical)
	Contact hours (theory, practical)	
4	Prerequisites/corequisites	None
5	Program title	Doctor of Dentistry
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Medicine
9	Department	Pathology, Microbiology & Forensic Medicine
10	Level of course	3rd year
11	Year of study and semester (s)	1st semester 3rd year
12	Final Qualification	
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	13/10/16

16. Course Coordinator:

Dr. Hassan Abu-Ragheb.
office number: Faculty of Medicine 212
office hours: Sunday 10-12
Tuesday 10-12
Thursday 10-12
phone numbers: 23459
 E-mail: har1947@ju.edu.jo

17. Other instructors:

Mohammad al-Khateeb

18. Course Description:

This course is intended to introduce basic and important characteristics of normal body flora, bacteria causing human infection as well as how to diagnose, control and prevent such diseases. It is also intended to introduce basic concepts of immunology, the body defense mechanisms against infection by micro-organisms, together

with diseases that are a result of immune system dysfunction

1. 19. Course aims and outcomes:

A- Aims:

By the end of this course the students should be knowledgeable of :-

1. Bacteria causing disease, including morphology and pathogenicity.
2. Methods of diagnosis including clinical manifestation, specimen collection and culture methods.
3. Epidemiology and prevention of disease through aseptic methods and vaccination.
4. Antibiotic treatment of bacterial infection.
5. Understanding the immunological mechanisms of infection and pathogenesis of immune mediated diseases.
6. Understanding the application of serological reactions in laboratory diagnosis of disease

B- Intended Learning Outcomes (ILOs):

Successful completion of the course should lead to the following outcomes:

A. Knowledge and Understanding: Student is expected to understand

A1- The basic cell structure of microorganism and their occurrence & role in human life

A2- The process of causing, prevention and antimicrobial treatment of infections.

A3- The immune response and its role in combating infection and the role it plays in immune dysfunction diseases. Application of serological reactions in disease diagnosis.

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B. Intellectual Analytical and Cognitive Skills: Student is expected to

B1- Recognize the differences between microorganisms and their clinical diseases

B2- Understand principles and methods of diagnosing microbial diseases.

B3- To appreciate the importance of immunological concepts in the pathogenesis and diagnosis of disease.

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C. Subject- Specific Skills: Students is expected to

C1- To be able to differentiate between various infections and their causative bacterial agents.

C2- To be familiar with the processes of sterilization and disinfection, sample collection and culture methods.

C3- To interpret diagnostic methods involved.

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D. Transferable Key Skills: Students is expected to

D1- To be able to transfer knowledge to health professional colleagues.

D2- To be able to transfer instructions based on his knowledge to patients.

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
2.	3.	4.	5.	6.	7.
8.	9.	10.	11.	12.	13.
14.	15.	16.	17.	18.	19.
		20.	21.	22.	23.
24.					
25.					

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

22. Evaluation Methods and Course Requirements:

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

23. Course Policies:

A- Attendance policies:

B- Absences from exams and handing in assignments on time:

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

E- Grading policy:

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

24. Required equipment:**2°. References:**

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

B- Recommended books, materials, and media:

2٦. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File