



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Course Name:

Microbiology-II for Dental Students

1	Course title	Microbiology-II for Dental Students
2	Course number	0544314
3	Credit hours (theory, practical)	3.0
	Contact hours (theory, practical)	
4	Prerequisites/corequisites	None
5	Program title	
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Medicine
9	Department	Department of Pathology, Microbiology & Forensic Medicine
10	Level of course	3
11	Year of study and semester (s)	
12	Final Qualification	
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	31/10/2016

16. Course Coordinator:*Prof Assem Shehabi**Office numbers 214**office hours*

Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday
	12-1	12-1			12-1

*phone numbers: 23488**email address: ashehabi@ju.edu.jo***17. Other instructors:***Dr. Hassan Abu-Ragheb**Prof. Mohammad Al-Khateeb*

18. Course Description:

This course is intended to introduce basic and important characteristics of viruses, fungi and parasites causing human disease as well as how to diagnose, control and prevent such diseases. It is also intended to introduce basic concepts of oral immunology and the normal flora of the oral cavity.

19. Course aims and outcomes:**A- Aims:**

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

1. Viruses, fungi and parasites 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. Understanding the immunological mechanisms of oral pathology.

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 structures of viruses, fungi and parasites, their occurrence & role in human life
- A2- The process of causing, prevention and treatment of infection with these organisms
- A3- The role of the immune response in oral pathology

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

- B1- Recognize different viruses, fungi and parasites together with their clinical diseases
- B2- Understand principles and methods of diagnosing of such diseases.
- B3- To appreciate the importance of immunological concepts in oral pathology.

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C. Subject- Specific Skills: Students is expected to

- C1- To be able to differentiate between various infections and their causative viral, fungal and parasitic agents.
- C2- To be familiar with methods of prevention of such diseases.

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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.

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20. Topic Outline and Schedule:

Topics	Instructor	Week	Achieved ILOs	Evaluation Methods	Reference
Introduction to parasites (2 lectures)	Dr.H.Abu Ragheb	Week 1			
Protozoa : Amoeba, Giardia, Toxoplasma, Plasmodium, Leishmania, Trichomonas, (4 lectures)		Week 1-2			
Nematodes : Enterobius, Ascaris, Trichinella, Trichuris, Hookworms, Filaria (3 lectures)		Week 3			
Cestodes and Trematodes: Taenia saginata and Taenia solium, Fish tapeworm, Hydatid cyst disease, Schistosoma, liver and pulmonary flukes (3 lectures)		Week 4			
Mycology (4 lectures)		Week 5-6			
General properties of viruses (2 lectures).	Prof. Assem Shehabi	Week 6			
RT viruses / Influenza virus / Parainfluenza / Rhinovirus / RS virus (3 lectures).		Week 7			
Adenoviruses / Mumps / Measles / Rubella / Enteroviruses (3 lectures)		Week 8			
Echo-viruses / Coxsackie virus / Polio virus / human papilloma virus (3 lectures).		Week 9			
Herpes viruses (3 lectures).		Week 10			
Hepatitis viruses (3 lectures).		Week 11			

Research paper discussion about hepatitis in Jordan. (1 lecture) Small pox and cowpox / general discussion. (2 lectures) Retroviruses, AIDS (3lectures) Oncogenic viruses, Arthropod borne viruses (3 lectures) Oral immunology (3 lectures)	Prof. Mohammad Al-Khateeb	Week 12			
		Week 12			
		Week 13			
		Week 14			
		Week 15			

21. Teaching Methods and Assignments:

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

Teaching Method	ILO/s
Lectures	Basic understanding of the subject.
Homework and Assignments:	Further understanding of the subject in more details

22. Evaluation Methods and

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

Evaluation	Point %	Date
Midterm Exam	40	Will be organized by the Examination Office, about the 8 th week of the course
Project	--	
Assignments	--	
Practical	--	
Final Exam	60	Will be announced by Examination Office

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:

25. References:**Main Reference/s:**

1-Medical Microbiology, 18th Edition

Edited by David Greenwood & Others

Publisher: Churchill Livingstone

2-Jawetz Medical Microbiology, 23rd Edition

Edited by Geo.F. Brooks & others

Publisher: A Lange Medical Book

Additional References:

3- Medical Microbiology Teaching Websites .

26. Additional information:

- Concerns or complaints should be expressed in the first instance to the module lecturer; if no resolution is forthcoming, then the issue should be brought to the attention of the module coordinator (for multiple sections) who will take the concerns to the module representative meeting. Thereafter, problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For final complaints, there will be a committee to review grading the final exam.
- For more details on University regulations please visit:
<http://www.ju.edu.jo/rules/index.htm>

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

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

Head of Department: Prof. Abdelkader Battah Signature: -----

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

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

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File