



مركز الاعتماد
وإضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Course Name:

1	Course title	Microbiology
2	Course number	0504201
3	Credit hours (theory, practical)	3hours
	Contact hours (theory, practical)	3hours
4	Prerequisites/corequisites	Biology
5	Program title	
6	Program code	
7	Awarding institution	University of Jordan
8	Faculty	Medicine
9	Department	Pathology, Microbiology and Forensic Medicine
10	Level of course	2 nd year
11	Year of study and semester (s)	First & 2 nd semester
12	Final Qualification	
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	29/1/2017

16. Course Coordinator:

office hours Sunday, Tuesday: 12.00 - 1.00
email addresses : alaamicrostudents@hotmail.co.uk

Ala,a Matalka 0799301319 alaamicrostudents@hotmail.co.uk
Sunday Thursday 1-2 Monday&Wednesday 12-1

17. Other instructors:

Office numbers, office hours, phone numbers. And email addresses should be listed

18. Course Description:

As stated in the approved study plan.

This course includes, abroad introduction about all types of microbes including viruses, bacteria, parasites, and fungi, it also describes the extend of its prescence in humans and nature and explains now does the human immune system resist in fection by these microbes. In addition this course gives anidea about different types of pathogenic microbes for humans. Its symptoms , lab based diagnostic tools and different ways of prevention of treatment. Nosocomial is another important subject in this course which aims of preventing hospital acquired infection and ways of disinfection and sterilization

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19. Course aims and outcomes:

A- Aims:

1. to become familiar with different types of microorganisms
2. understand immune response to infection
3. determine methods of disinfection sterilization

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

At the end of the course students should be able to :-

1. identify microorganisms
2. distinguish between viruses, of acquiring infection
3. recognise methods of acquiring infection
4. state human immune response
5. choose the proper lab investigations of infections
6. memorize the general principles of antimicrobial agents
7. recognize nosocomial infection, and apply its treatment and prevention
8. apply hospital hygiene principles such as disinfection and sterilization methods

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
1. Introduction to medical microbiology					
2. Morphology and structure of microorganisms					
3. Growth and nutrition of microorganisms					
4. Introduction to mycology, parasitology and virology					
5. Gene transfer and					

bacterial genetics.						
6. Antimicrobial chemotherapy.						
7. Disinfection and sterilization.						
8. Host-microorganism interaction and pathogenicity, and Normal flora						
9. Introduction to immunology						
10. The immune response						
11. Antibodies						
12. The complement system						
13. Hypersensitivity (allergy)						
14. Staphylococci and streptococci.						
15. Respiratory pathogens (Corynebacteria (Diphtheroides), Bacilli, Listeria, Haemophilus group, Bordetella pertussis, Niesseria and Moraxella species).						
16. Enteric bacteria (Coli form bacteria, salmonella group,						

<p>Vibrio cholera, Shigella group, Brucella species, Helicobacter species and campylobacter species).</p>					
<p>17. Viruses (Mumps, Measles, Rubella, Hepatitis A&B, Herpes virus, Influenza virus, Pico RNA virus, Poliovirus, Rhinoviruses, rhabdoviruses).</p>					
<p>18. Parasites: protozoa (Sporozoa, Amoebae and Flagellates), Metazoa (Nematodes and Platyhelminth).</p>					

21. Teaching Methods and Assignments:

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

Lectures&Discussions

22. Evaluation Methods and Course Requirements:

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

Modterm Exam 30 marks
Quize Exam 20 marks
Final Exam 50 marks

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:**

References:

1-Medical microbiology, Greenwood et al

2- Microbiology , lippincott,s illustrated reviews

26. Additional information:

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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