

Course Syllabus

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| 1 | Course title | Microbiology and Immunology for nursing students |
| 2 | Course number | 0504201 |
| 3 | Credit hours (theory, practical) | 3 hours |
| | Contact hours (theory, practical) | 3 hours |
| 4 | Prerequisites/corequisites | Biology |
| 5 | Program title | |
| 6 | Program code | |
| 7 | Awarding institution | |
| 8 | School | Medicine |
| 9 | Department | Pathology & Microbiology & Forensic medicine |
| 10 | Level of course | 2 nd year |
| 11 | Year of study and semester (s) | First and second semester |
| 12 | Final Qualification | |
| 13 | Other department (s) involved in teaching the course | |
| 14 | Language of Instruction | English |
| 15 | Date of production/revision | 2/11/2020 |

16. Course Coordinator:

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

Alaa Matalka, 0799301319, alaamicrostudents@hotmail.co.uk
 Sunday, Tuesday, 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, a broad introduction about all types of microbes including viruses, bacteria, parasites, and fungi, it also describes the extend of its presence in humans and nature and explains how does the human immune system resist infection by these microbes. In addition this course gives an idea about different types of pathogenic microbes for humans, its symptoms; lab based diagnostic tools & different ways of prevention and treatment. Nosocomial is another important subject in this course. Which is preventing hospital acquired

infection and ways of disinfection and sterilization

19. Course aims and outcomes:

A- Aims:

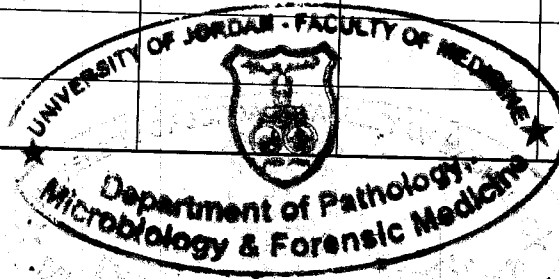
- 1- To become familiar with different types of microorganisms
- 2- Understand immune response to infection
- 3- Determine methods of disinfection and sterilization

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

- At the end of course students should be able to
 - 1- Identify microorganisms
 - 2- Distinguish between viruses, bacteria, parasites, and fungi
 - 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- Recognise nosocomial infection, and apply its treatment and prevention
 - 8- Apply hospital hygiene principles such as disinfection and sterilization

20. Topic Outline and Schedule:

| Topic | Week | Instructor | Achieved ILOs | Evaluation Methods | Reference |
|--------------------------------------|------|------------|---------------|--------------------|-----------|
| Introduction to medical microbiology | | | | | |
| Antimicrobial agents | | | | | |
| Disinfection and | | | | | |



| | | | | | |
|--|--|--|--|--|--|
| sterilization | | | | | |
| Host-Microorganisms interaction and pathogenicity and normal flora | | | | | |
| Staphylococci and Streptococci | | | | | |
| Respiratory pathogens | | | | | |
| Enteric pathogens | | | | | |
| Viruses and Parasites | | | | | |

21. Teaching Methods and Assignments:

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

Lectures, Discussions, and Seminars

22. Evaluation Methods and Course Requirements:

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

Midterm 30%
 Quiz 20%
 Final exam 50%

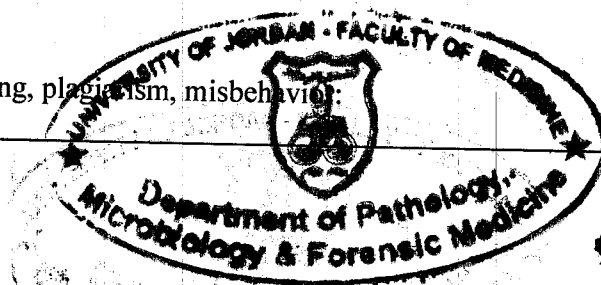
23. Course Policies:

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: (Facilities, Tools, Labs, Training....)

25. References:

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

Medial microbiology ,D. Greenwood et al

Recommended books, materials, and media:

Microbiology, Lippincott's illustrated reviews

26. Additional information:

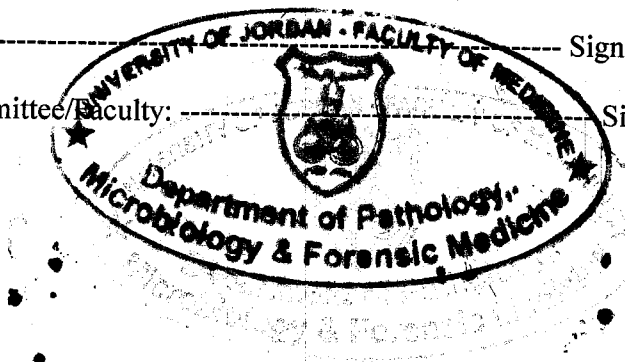
Name of Course Coordinator: Alaa--Matalka-----Signature: ----- Date: -----

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

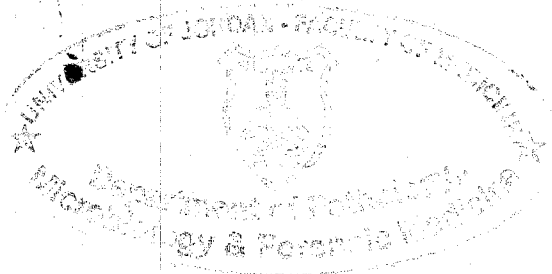
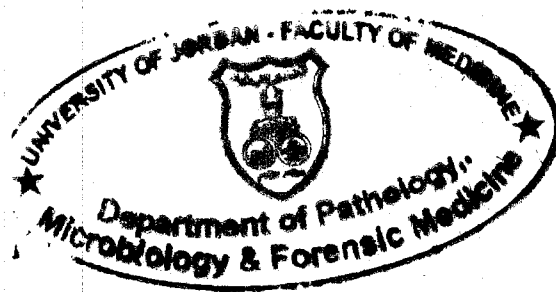
Head of Department: ----- Signature: -----

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

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



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