



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Chest

Course Specifications

**Microbiology & Immunology for Chest Diploma
Degree**

2021-2022

**Course Specifications: Microbiology & Immunology for Chest Diploma Degree,
2021-2022**

Microbiology & Immunology for Chest diploma Degree Course specifications

University: Tanta

Faculty: Medicine

**Department: Medical
Microbiology & Immunology**

1- Administrative Information

- 1- Course title: Microbiology & Immunology for chest diploma degree**
- 2- Department offering the program: chest Department**
- 3- Department responsible for the course: Medical Microbiology & Immunology**
- 4- Course code-: CHEST 7003**
- 5-Authorization date of course specification: 21-8-2019**

2-Professional Information

1 – Overall Course aims

- 1-To identify the commonly known pathogenic organisms (Bacteria , viruses or fungi)as regards their morphology , culture characters ,biochemical reactions ,virulence characters ,pathogenesis , laboratory diagnosis ,treatment &prevention**
- 2-To teach the immune response either normal or pathological (Hypersensitivity, Autoimmunity graft rejection).**
- 3-To discuss the hospital acquired infections & how you prevent.**

2 – Intended learning outcomes (ILOs):

A-knowledge and understanding:

By the end of the course, students should be able to:

- a.1-Describe the basic theories and principles of microbiology and immunology.**
- a.2-Discuss the molecular mechanisms of infectious diseases of different etiology.**

B-intellectual skills

By the end of the course, students should be able to:

- b.1- Interpret the basic theories and principles of microbiology and immunology.**
- b.2-analyse the interaction between medical practice and surrounding environment**
- b.3- organize plan for laboratory diagnostic service.**
- b.4- interpret diagnostic laboratory results in clinical microbiology.**

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3-Course contents

Topics	Lecture	Clinical/ lab
General bacteriology(anatomy of bacterial cell - sterilization-chemotherapy- genetics)	1	1
Immunology (host parasite relationship – immune response- hypersensitivity- auto immune disorders – tumor immunity – HLA system)	1	1
Systemic bacteriology (gram positive cocci& bacilli– gram negative cocci& bacilli – mycobacteria – spirochetes – hospital acquired infection –mycoplasma- Qfever)	2	2
Virology (general virology – pathogenesis & control of viral disease -adeno virus – rhino viruses – hepatitis viruses – oncogenic viruses – varicella viruses- AIDS- orthomyxo- paramyxo)	1	1
Mycology (deep mycosis)	1	1
Total	6	6

4-Teaching and learning methods:hybride

Online Illustrated lectures.

Attending Practical sections

5-Student Assessment : may be electronic but inside the faculty(face to face)

5.1 Written examination. One written paper contains multiple long and short questions.

5.2 Oral examination. One sitting (2-3 staff members including in this sitting)

5.1Written .to assess (a1,.2_b1,3)

5.2 ...oralto assess...(b.2,4)

6 List of references

6.1 Course notes

6.2 Text book

6.3 Recommended books

**Course Specifications: Microbiology & Immunology for Chest Diploma Degree,
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6.4 Periodicals and web sites

7 Other resources/ facilities required for teaching and learning to achieve the above ILOs

None

9) We certify that all of the information required to deliver this course is contained in the above specifications and will be implemented

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**We verify that the above course and the analysis of students and
external evaluator opinions are accurate.**

Course coordinator and head of department

name.....signature.....Date.....

Head of quality assurance unit:

name.....signature.....Date.....

