



COURSE SPECIFICATION

(Advanced Medical Virology)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Programme for Postgraduate M.sc degree of Medical Microbiology and Immunology
(2) Department offering the programme.	Medical Microbiology and Immunology
(3) Department responsible for teaching the course.	Medical Microbiology and Immunology dep.
(4) Part of the programme.	Second part
(5) Date of approval by the Department's council	7/8/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Advanced Medical Virology
(8) Course code.	MIC 507Te
(9) Credit hours	1 credits
(10) Total teaching hours.	15h lectures,

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

- 1- To provide the candidate with theoretical knowledge of advances in Medical Virology.
- 2- To give the candidate conclusive knowledge about the clinical features, etiology, pathogenesis and methods of laboratory diagnosis of viral infections and apply that knowledge in the treatment, prevention and control of communicable diseases caused by viruses.

(2) Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

- A1 Describe the common mechanisms for establishment of persistent viral infections.
- A2 list the diseases caused by scaffold viruses.
- A3 Recognize the host factors attributed to viral pathogenesis.
- A 4 Point up the viral virulence factors and horizontal gene transfer.
- A 5 Classify the late complications of viral vaccines.

B- Intellectual skills

- B1 Plan the laboratory investigations for the diagnosis of scaffold viruses diseases.
- B 2 Illustrate the host factors attributed to viral disease.
- B 3 Propose further procedures to increase safety of viral vaccines

Course content.

Subjects	Lectures	Clinical	Field	Total Teaching Hours
Common Mechanisms for establishment of persistent viral infections	3 hours			3 hours
Scaffold viruses, a novel human coronavirus.	3 hours			3 hours
Host factors in viral pathogenesis	3 hours			3 hours
Late complications of viral vaccines	3 hours			3 hours
Viral virulence factors and horizontal gene transfer	3hours			3 hours
Total	15 hour			15 hours

(3) Teaching methods.

4.1. Lectures

4.2. Seminars

4.3. Attending workshops and conferences

4.4 Observation of, assisting and discussion with senior medical staff

(4) Assessment methods.

5.1. Written exam for assessment of knowledge and intellectual ILOs

5.2. MCQ continuous assessment exam for assessment of knowledge and intellectual ILOs

Assessment schedule.

Assessment 1. Final written exam after 30 months of MS registration or 36 months of job admission

MCQ exam at the end of each semester

Percentage of each Assessment to the total mark (total microbiology course assessment)

Written exam:...40 marks

MCQ:..... 10 marks

Other types of assessment:.....None..... %:.....

Other assessment without marks:

1-Candidate Logbook which should be fulfilled and signed by Head of the department.

2- Attendance Criteria: Minimum acceptance attendance is 75%

(5) References of the course.

6.1. Hand books: Department theoretical books

6.2. Text books:...

1. Topley and Wilson's Microbiology and Microbial infections. 8 volume, 2005, 10th edition

2- Jawetz, Melnick and Adelbergs Medical Microbiology, 2004, 23rd edition.

6.3. Journals:

1. Clinical Microbiology Reviews

2. Journal of Clinical Microbiology

3. Journal of Medical Microbiology

4. Journal of virology.

5. Lancet infectious diseases

6.1. Websites:

1. Center for Disease Control - www.cdc.gov

2. World Health Organization- www.who.int

3. Infectious Disease Society of America- www.idsociety.org

4. National AIDS Control Organization- www.nacoinia.org

6.1. Others:.....

(7) Facilities and resources mandatory for course completion.

1. Lecture halls.
2. Data shows and computer assistance.
3. Virology laboratory.
4. Reagents for virological techniques.

Course coordinator: **Dr. Mona B. Elhadidy**

Head of the department: **Prof. Mohammad Abou El ela**

Date:

P.S. This specification must be done for each course.