



## COURSE SPECIFICATION

### Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate MD degree of Obstetrics and Gynecology/GYN600
(2) Department offering the programme.	Obstetrics and Gynecology
(3) Department responsible for teaching the course.	<b>Microbiology and immunology department</b>
(4) Part of the programme.	<b>First part</b>
(5) Date of approval by the Department's council	27/7/2016
(6) Date of last approval of programme specification by Faculty council	2016
(7) Course title.	<b>Applied Microbiology &amp; Immunology</b>
(8) Course code.	<b>GYN 607 GYN 621 AMI</b>
(9) Total teaching hours.	<b>15 hours</b>
(10) Credits hours	<b>1 Hour</b>

## **(B) Professional information**

### **(1) Course Aims:**

To provide the candidates with the basic knowledge about Applied Microbiology & Immunology in gynecology

### **(2) Intended Learning Outcomes (ILOs):**

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

#### **A- Knowledge and Understanding**

**Describe according to the most knowledge recent updates in the following**

- A1.** Chemotherapy & Chemoprophylaxis
- A2.** Immune response : AMI & CMI - Protective immunity to microbial diseases
- A3.** Diagnostic procedures in a clinical microbiology
- A4.** Tumour immunology
- A5.** Immunological tolerance , autoimmunity and autoimmune diseases
- A6.** Transplantation immunology
- A7.** Hypersensitivity
- A8.** Immunodeficiency disorders
- A9.** Sterilization , disinfection & antisepsis
- A10.** Tuberculosis
- A11.** Tetanus , Gas gangrene , Botulism
- A12.** Enterobacteriace : Enteric fever Shigellosis  
Vibrio cholera
- A13.** Spirochaetes : Treponema pallidum (Syphilis )
- A14.** Rickettsia
- A15.** Actinomyces
- A16.** Mycology
- A17.** General virology
- A18.** Nosocomial infection

### B- Intellectual skills

B1. To integrate basic microbiology related to obstetrics and gynecology with clinical care

B2. To analyze and prioritize microbiology related to obstetrics and gynecology.

B3. To evaluate microbiology information related to obstetrics and gynecology objectively, recognizing its limitations.

B4. To use personal judgment for microbiology related to obstetrics and gynecology

B5. To construct appropriate management strategies for microbiology problems related to obstetrics & gynecology .

B6. To retrieve relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence .

B7. To formulate research and scientific methods

### (3) Course content.

Subjects	Lectures 1h/w	Total Teaching Hours
Chemotherapy & Chemoprophylaxis	1	15 hours over 15 weeks
Immune response : AMI & CMI - Protective immunity to microbial diseases	1	
Diagnostic procedures in a clinical microbiology	1	
Tumour immunology	1	
Immunological tolerance , autoimmunity and autoimmune diseases	1	
Transplantation immunology	1	
Hypersensitivity	1	
Immunodeficiency disorders	1	
Sterilization , disinfection & antisepsis	1	
Tuberculosis	1	

Tetanus , Gas gangrene , Botulism Enterobacteriace : Enteric fever Shigellosis Vibrio cholera	1	
Spirochaetes : Treponema pallidum (Syphilis )	1	
Rickettsia Actinomyces	1	
Mycology General virology	1	
Nosocomial infection	1	



Subjects	program ILOs																								
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	B1	B2	B3	B4	B5	B6	B7
Chemotherapy & Chemoprophylaxis	x																		x	x	x	x	x	x	x
Immune response : AMI & CMI - Protective immunity to microbial diseases		x																	x	x	x	x	x	x	x
Diagnostic procedures in a clinical microbiology			x																x	x	x	x	x	x	x
Tumour immunology				x							x								x	x	x	x	x	x	x
Immunological tolerance , autoimmunity and autimmune diseases					x							x							x	x	x	x	x	x	x
Transplantation immunology						x													x	x	x	x	x	x	x
Hypersensitivity							x																		
Immunodeficiency disorders								x											x	x	x	x	x	x	x
Sterilization , disinfection &									x										x	x	x	x	x	x	x



**Written exam: 80 marks (including 20marks MCQ)**

**MCQ: 20 marks**

**ILOs assessed by each method**

**Written exam : A1-A18,**

**MCQ : A1- A15**

**Structured oral : A1- A15, B1-B6,**

**Course coordinator:**

Dr. Rafik Barakat

Dr. Sara Abdelaziz

**Head of the department:**

Prof. Nasser Allakany

**Date: 7/2016**