كيفية إعداد توصيف المقررات الدراسية للدراسات العليا

توصيف المقررات الدراسية يتضمن توضيح أقل المتطلبات الواجب توافرها في طالب الدراسات العليا للحصول على درجة الماجستير والدكتوراه. يشمل توصيف المقرر الدراسي الاتي:

- الأهداف التعليمية للدرجة العلمية
- المعرفة والمهارات التي يجب أن يحصل عليها الطالب في نهاية فترة الدراسة والتدريب
- طرق التدريس (مثال: محاضرات ، ورش عمل، تدريب معملي)
- محتويات المنهج العلمي (الموضوعات العلمية ومراجعها، عدد ساعات تدريس الجزء النظري والعملي والإكلينيكي)
- طرق تقييم الطالب (مثال: الامتحانات بكافة صورها، الحضور، المقال العلمي، log book)
- نظام الامتحانات وكيفية توزيع الدرجات
- طرق التقييم للمقرر الدراسي
- المراجعة السنوية والمسئولين عنها.

PROGRAMME SPECIFICATION FOR POSTGRADUATE DEGREE

This specification provides a concise summary of the main features of the course and the learning outcomes that a typical candidate might reasonably be expected to achieve and demonstrate if he or she takes full advantage of the learning opportunities provided. More detailed information on the specific learning outcomes, context and the teaching, learning and assessment methods of each module can be found in the Programme Descriptions Handbook

COURSE SPECIFICATION

(Microbiology)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Msc degree of Urology
(2) Department offering the programme:	Urology department
(3) Department responsible for teaching the course:	Microbiology department
(4) Part of the programme:	1st part of the programme
(5) **Date of approval by the Department`s council**	May, 2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	**Microbiology and Immunology**
(8) Course code:	URL 507
(9) Credit hours	0.5 hour
(10) Total teaching hours:	7.5 hours

(B) Professional information

(1) Course Aims:

The general aim of the course is to provide postgraduate students with basics of Microbiology and the microbiological background of diseases affecting urinary and genital tracts.

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

A1	By completion of this course the candidate will be able to I- Define General microbiology: - Antimicrobial agents & drug resistance. - Discuss Clinical immunology as regardes: ○ Transplantation ▪ Renal transplantation ○ Immunosuppressive therapy ▪ Drugs: types, and mechanisms of action. ▪ Immunosuppressive drugs in clinical use. ▪ New drugs and approaches. ○ Tumor immunology and immunotherapy
A2	II- Discuss Clinical microbiology as regards: ○ Surgical site infection ▪ Surgical site infection ○ Normal flora of the urinary tract ○ Urinary tract infections:

A3	▪ Definitions and clinical categories ▪ Causative organisms ▪ Investigation and treatment of urinary tract infections ○ Anaerobic infections ○ Mycobacterial and atypicobacterial infection III- Nosocomial infection and infection control: - General considerations - Types of hospital-acquired infections - Organisms causing hospital-acquired infections - The problem of MRSA as nosocomial pathogen - Infection control measures used prevent nosocomial infection health care workers protection and vaccination - Health care acquired infections sterilization and disinfection - Infection control policies: • Antibiotic policy • Waste disposal policy • Needle stick policy • Disinfection policy • Phlebotomy policy • Infection Control in the ICU

(3) Course content:

Subjects	Total Teachir Hours
I- General microbiology: - Antimicrobial agents & drug resistance.	2
- Clinical immunology: ○ Transplantation ▪ Renal transplantation	1

○ Immunosuppressive therapy ▪ Drugs: types, and mechanisms of action. ▪ Immunosuppressive drugs in clinical use. ▪ New drugs and approaches. ○ Tumor immunology and immunotherapy	
II- Clinical microbiology: ○ Surgical site infection ▪ Surgical site infection ○ Normal flora of the urinary tract ○ Urinary tract infections: ▪ Definitions and clinical categories ▪ Causative organisms ▪ Investigation and treatment of urinary tract infections ○ Anaerobic infections ○ Mycobacterial and atypicobacterial infection	2.5
III- Nosocomial infection and infection control: - General considerations - Types of hospital-acquired infections - Organisms causing hospital-acquired infections - The problem of MRSA as	2

nosocomial pathogen - Infection control measures used prevent nosocomial infection health care workers protection and vaccination - Health care acquired infections sterilization and disinfection - Infection control policies: • Antibiotic policy • Waste disposal policy • Needle stick policy • Disinfection policy • Phlebotomy policy • Infection Control in the ICU	

(4) Teaching methods:

4.1: Lecture

(4) Assessment methods:

5.1: Written Examination for assessment of knowledge ILOs

5.2: Oral examination for assessment of ILOs

5.3: MCQ exam for assessment of knowledge

5.4 Log book for activities for assessment of: Practical skills which are acquired through attending various conferences, thesis discussions, seminars, workshops, scientific lectures as well as self learning.

5.5: Seminars: The candidate should prepare and present at least one seminar in the weekly Journal club in a topic related to the course and determined by the supervisors in front of the department staff (without marks).

Assessment schedule:

Assessment 1: written exam After 6 month from Msc registration.

Assessment 2: Oral exam After 6 months from Msc registration

Assessment 3 : MCQ at the end of the semester (15th week)

Assessment 4 : Practical tests and observation as well as the seminar throughout the course (without marks).

***Assessment 5*:** The candidate should prepare and present at least one seminar in a topic related to the course and determined by

Percentage of each Assessment to the total mark:

Written exam:	**72 Marks**
Oral exam:	**60 Marks**
MCQ	**18 Marks**

(5) References of the course:

6.1: Text books:

- Wein A, Kavoussi LR, Novick AC, Partin AW, Peters CA (eds). Campbell-Walsh UROLOGY. 9th edit, Philadelphia, Pa: Saunders Elsevier, 2007.
- Alcamo's Fundamentals Of Microbiology - Body Systems Edition (2ND 13)
  Jeffrey Pommerville
  Hardback
  ISBN10: 1449635970

6.2: Websites:

- http://www.campbellsurology.com/

6.3: **Recommended books**

* Adult and Pediatric Urology (3-Volume Set)
Author: Gillenwater, JY, Howards SS, Grayhack JT, Mitchell MM (eds). Adult and pediatric urology. Lippincott Williams & Wilkins, 4th edit, 2002.

(6) Facilities and resources mandatory for course completion:

A. Lecture hall: In the Auditorium of UNC and lecture hall of the outpatient clinic (Jehan Street). Each hall is equipped with white board, overhead projector, computer, LCD projector, laser pointers, remote slide advancer, DVD player and wireless phones. It is air conditioned.

Head of the department:

Date:

S. All courses` specifications are attached in Appendix III.

B- Knowledge and Understanding

Course Title/Code	Programme ILOs		
	a1	a2	a3
- General microbiology: - Antimicrobial agents & drug resistance. - Clinical immunology: o Transplantation ▪ Renal transplantation o Immunosuppressive therapy ▪ Drugs: types, and mechanisms of action. ▪ Immunosuppressive drugs in clinical use. ▪ New drugs and approaches. o Tumor immunology and immunotherapy	x		
- Clinical microbiology: o Surgical site infection ▪ Surgical site infection o Normal flora of the urinary tract o Urinary tract infections: ▪ Definitions and clinical categories ▪ Causative organisms ▪ Investigation and treatment of urinary tract infections o Anaerobic infections o Mycobacterialand atypicobacterial infection		x	
- Nosocomial infection and infection control: - General considerations - Types of hospital-acquired infections - Organisms causing hospital-acquired infections - The problem of MRSA as nosocomial pathogen - Infection control measures used prevent nosocomial infection health care workers			x

protection and vaccination - Health care acquired infections sterilization and disinfection - Infection control policies: • Antibiotic policy • Waste disposal policy • Needle stick policy • Disinfection policy • Phlebotomy policy • Infection Control in the ICU			