



## 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 الآتي:

- الأهداف التعليمية للدرجة العلمية
- المعرفة والمهارات التي يجب أن يحصل عليها الطالب في نهاية فترة الدراسة والتدريب
- طرق التدريس (مثال: محاضرات ، ورش عمل، تدريب معلمي)
- محتويات المنهج العلمي (الموضوعات العلمية ومراجعتها، 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

### (Pharmacology)

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.	Pharmacology department
(4) Part of the programme.	1 <sup>st</sup> 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.	<b>Pharmacology</b>
(8) Course code.	URL 506
(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 pharmacology and the pharmacological background of drugs treating 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**

<b>A1</b>	I- Define Opiate analgesics and non opiate analgesic:
<b>A2</b>	II- Describe Renal pharmacology <ul style="list-style-type: none"><li>- Introduction</li><li>- Thiazide diuretics &amp; loop diuretics</li><li>- K-sparing diuretics</li><li>- Adverse reaction of diuretics</li><li>- Urinary tract infection</li></ul>
<b>A3</b>	III- define chemotherapy: <ul style="list-style-type: none"><li>- Beta-lactam antibiotics.</li><li>- Penicillin</li><li>- Cephalosporine</li><li>- Monobactams</li><li>- Aminoglycosides</li><li>- Tetracycline</li><li>- Chloramphenicol</li><li>- Quinolones</li><li>- Sulphonamides &amp; sulphonamide combinations</li><li>- Antifungal drug</li><li>- Antituberculosis drugs</li></ul>

<b>A4</b>	<ul style="list-style-type: none"> <li>- Cancer chemotherapy</li> </ul> <p>(IV) Describe drug interactions</p> <ul style="list-style-type: none"> <li>- Mechanism</li> <li>- Potentially hazards and beneficial effects of drug interaction</li> </ul>
<b>A5</b>	(v) define - Hypovalenic shock

**(3) Course content:**

Subjects	Total Teaching Hours
I- Opiate analgesics and non opiate analgesic:	2
II- Renal pharmacology Introduction Thiazide diuretics & loop K-sparing diuretics Adverse reaction of diuretics Urinary tract infection	2
III- chemotherapy: Beta-lactam antibiotics. Penicillin Cephalosporine Monoboctams Aminoglycosides	3

Tetracycline Chloramphenicol Quinolones Sulphonamides & sulphonamide combinations Antifungal drug Antituberculosis drugs Cancer chemotherapy  (v) C.V.S - Hypovolumic shock	<b>0.5</b>
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**(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 knowledge 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 (15<sup>th</sup> 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:**

<b>Written exam:</b>	<b>72 Marks</b>
<b>Oral exam:</b>	<b>60 Marks</b>
<b>MCQ</b>	<b>18 Marks</b>

**(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.
- Principles of Pharmacology. Susan Farrell, Lippincott Williams & Wilkins, 2008

**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:**

## Course specification (Pharmacology)

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

### B- Knowledge and Understanding

Course Title/Code	Programme ILOs				
	a1	a2	a3	a4	a5
I- Opiate analgesics and non opiate analgesic:	x				
II- Renal pharmacology <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Thiazide diuretics &amp; loop diuretics</li> <li>- K-sparing diuretics</li> <li>- Adverse reaction of diuretics</li> <li>- Urinary tract infection</li> </ul>		x			
III- chemotherapy: <ul style="list-style-type: none"> <li>- Beta-lactam antibiotics.</li> <li>- Penicillin</li> <li>- Cephalosporine</li> <li>- Monobactams</li> <li>- Aminoglycosides</li> <li>- Tetracycline</li> <li>- Chloramphenicol</li> <li>- Quinolones</li> <li>- Sulphonamides&amp;sulphonamide combinations</li> <li>- Antifungal drug</li> <li>- Anti-tuberculosis drugs</li> <li>- Cancer chemotherapy</li> </ul>			x		
IV- D. drug interactions <ul style="list-style-type: none"> <li>- Mechanism</li> <li>- Potentially hazards and beneficial effects of drug interaction</li> </ul>				x	
V- C.V.S <ul style="list-style-type: none"> <li>- Hypovolemic shock</li> </ul>					x



