



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Medical Pharmacology

Course Specifications

Pharmacology for Urology Master Degree

2015-2016

Pharmacology for Urology Master Degree Course Specifications

University: Tanta

Faculty: Medicine

Department: Pharmacology

A- Administrative Information

1-Course title: Master of Urology

2- Department offering the program: Urology Department

3- Department responsible for the course: Medical pharmacology.

4- Course code: UROL 8002

5- Level:First part

6- No. of Credit / taught hours: (First part): 1/2 credit hour, theoretical only (1/2 hour /week for 15 weeks)

7- Authorization date of course specification: 04-12-2015

B- Professional Information

1 – Overall Course aims

1. Perfect the bases and methods of medical researches
2. Apply analytical methods when dealing with medical problem
3. Apply his medical knowledge and merge it with related knowledge

2 – Intended learning outcomes (ILOs):

a. Knowledge and understanding:

By the end of the program graduate should be able to :

A1- Describe the basic theories and principles of pharmacology and related sciences needed in his career.

3- Course contents

GENERAL (0.5 H)

Adverse effects of the drugs

Drug – drug interaction

ANS(1 H)

Sympathomimetic

Sympathetic depressants

Parasympathomimetics

Cholinergic antagonist

CNS(0.5 H)

Analgesics

RENAL(2 H)

Diuretics

Drug change urinary ph

Urinary antiseptics

Benign prostatic hyperplasia

BLOOD(0.5 H)

Agent that increase blood volume

Anti anemic drugs

Drug affecting Haemostasis

CVS(0.5 H)

Hypertension

Shock and hypotensive state

Heart failure

Angina

GIT(0.5 H)

Drugs for vertigo, motion sickness, & vomiting

Emetics

Prokinetic drugs

Antispasmodics

Intestinal evacuants

Drug therapy for diarrhea

ENDOCRINE(0.5 H)

Diabetes mellitus(diabetic nephropathy)

Adrenocortical hormones

CHEMOTHERAPY(1 H)

Antimicrobials

Classification of Antimicrobials

Beta lactam antibiotics

Aminoglycosides

Chloramphenicol

Tetracyclines

Vancomycin

Macrolide antibiotics

Sulfonamides

Quinolones

Metronidazole

Chemotherapy of schistosomiasis

Chemotherapy of helminthiasis

Essays

Diabetes insipidus

Nephrotoxicity

Acute and chronic renal failure

Renal involvement in autoimmune disease and role of immunomodulator

Cytotoxic drugs in renal neoplasm

Pharmacological treatment of nephrolethiasis

Practical training:

- 1- Calculation of drug dosage (1h).
- 2- How to write a prescription(2h).
- 3- How to search a drug information source(1.5h).

4-Teaching and learning methods

illustrated lectures
tutorial sessions,

5-Student Assessment

مجموع المرجات	الامتحانات					المنهج			المقرر الدراسي	
	اكتينيكى	شغوى	عملى	تحريرى	عدد الاوراق	النقاط المعمدة	الساعات المعمدة	العدد		
50		10	10	30	1	6	2	UROL 8001	1. مقرر علمى وعملى فى التشريح الجراحى والنمو الجنينى والهستولوجيا.	الجزء الاول
50		10	10	30	1	6	2	UROL 8002	2. مقرر علمى وعملى فى الفسيولوجيا والكيمياء الحيوية والفرماكلوجيا.	
100		20	20	60	1	12	4	UROL 8003	3. مقرر علمى وعملى فى البكتريولوجيا والباثولوجيا الجراحية.	
100	20	10	10	60	1	12	4	UROL 8004	4. مقرر علمى وعملى واكتينيكى فى الجراحة العامة.	
						12	4		مقررات اختيارية.	
						4	2		أنشطة علمية.	
						24	12			الرسالة
900	80	65	70	270	1	18	6	UROL 8005	مقررات علمية وعملية واكتينيكية فى جراحة المسالك البولية	الجزء الثانى
	80	65	270	1	18	6	UROL 8006	والتناسلية.		
						18	6	UROL 8007		
						18	6	UROL 8008		
						24	8		مقررات اختيارية.	
						8	4		أنشطة علمية.	
1200	180	180	120	720		180	66			المجموع

6- List of references

6-1 Essential books (text books)

-Goodman & Gilman's : The Pharmacological Basis of Therapeutics.

-Basic & Clinical Pharmacology (ed. G. Katzung)

6-2 Recommended books

- Pharmacology (ed. Rang H.P. & Dale M.)

-Lippincott (illustrated pharmacology Review).

- Pharmacology board review (Gary C. Rosenfeld & David S. Loose)

-Clinical Pharmacology (DR. Laurence)

6-3- Periodical, web sites:

-Br. J. Pharmacology - Biochemical Pharmacology

-www. biomed central com. -www.Pubmed.Com

-www.medscape. Com. www.eulc.edu.eg

www.Science direct. Com www.Wiley Blackwell.com

www.Springer.com

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

None

8- we certify that all of the information required to deliver this course is contained in the above specifications and will be implemented