



Quality Assurance Unit



Tanta University
Faculty of Medicine

Department of Medical Pharmacology

Course Specifications

**Pharmacology for
Cardiothoracic Surgery
Master Degree**

2015-2016

Pharmacology for General Surgery Master Degree Course Specifications

University: Tanta

Faculty: Medicine

Department: Pharmacology

A- Administrative Information

1- Course title: Master degree in *Cardiothoracic* Surgery

2- Department offering the program: *Cardiothoracic* Surgery Department

3- Department responsible for the course: Medical pharmacology

4- Course code: CARS 8002

5- Level:

First part

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

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

B- Professional Information

1 – Overall Course aims

- Perfect the bases and methods of medical researches
- Apply analytical methods when dealing with medical problem
- 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 (2h)

Adverse effects of the drugs

Drug-drug interaction

ANS(2h)

Sympathomimetic

Sympathetic depressants

Parasympathomimetics

Cholinergic antagonist

CNS(2h)

Analgesics

General anesthesia

BLOOD(2h)

Hyperlipoproteinemia

Agent that increase blood volume

Anti anemic drugs

Drug affecting haemostasis

CVS(6h)

Heart failure

Hypertension

Angina

Acute myocardial infarction

Arrhythmia

Shock and hypotensive state

RESPIRATORY(6h)

Drug therapy of bronchial asthma

Treatment of status asthmaticus

ENDOCRINE(2h)

Thyroid hormones

Antithyroid hormones

Diabetes mellitus

Adrenocortical hormones

CHEMOTHERAPY(2.5 h)

Antimicrobials

Classification of Antimicrobials

Aminoglycosides

Chloramphenicol

Tetracyclines

Vancomycin

Macrolide antibiotics

Sulfonamides

Quinolones

Chemotherapy of tuberculosis

Antiviral drugs

PRACTICAL TRAINING(7.5 H):

Calculation of drug dosage.

How to write a prescription.

How to search a drug information source.

4-Teaching and learning methods

Illustrated lectures

Tutorial sessions,

5-Student Assessment

الامتحانات						المناهج				
مجموع الدرجات	الكليتيكي	شغري	عملي	تحريري	عدد الاوراق	النقاط المعتمدة	الساعات المعتمدة	الكود	المقرر الدراسي	
50		10	10	30	1	6	2	CARS 8001	1.مقرر علمي و عملي في التشريح الجراحي والنمو الجنيني والهستولوجيا.	الجزء الأول
50		10	10	30	1	6	2	CARS 8002	2.مقرر علمي و عملي في الفسيولوجيا والفارماكولوجيا.	
100		20	20	60	1	12	4	CARS 8003	3.مقرر علمي و عملي في البكتيولوجيا والباثولوجيا الجراحية.	
100	20	10	10	60	1	12	4	CARS 8004	4.مقرر علمي و عملي و الكليتيكي في الجراحة العامة. مقررات اختيارية.	
						12	4		أنشطة علمية.	
						4	2			
						24	12			الرسالة
900	80 80	65 65	70	180 180 180	1 1 1	18 18 18 18	6 6 6 6	CARS 8005 CARS 8006 CARS 8007 CARS 8008	مقررات علمية و عملية و الكليتيكية في جراحة القلب والصدر.	الجزء الثاني
						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

Course coordinator and head of department

name :Prof. Mohamed Nabih Abdel Rahman Abdel Dayem

signature

Date 01/12/2014

Head of quality assurance unit

name: Prof

Signature

Date