



Quality Assurance Unit



Tanta University
Faculty of Medicine

Department of Medical Pharmacology

Course Specifications

Pharmacology for General Surgery Diploma Degree

2015-2016

Pharmacology for General Surgery Diploma Degree Course Specifications
University: Tanta Faculty: Medicine Department: Pharmacology

A- Administrative Information

- 1- Course title: Pharmacology for General Surgery Diploma degree
- 2- Department offering the program: General Surgery Department
- 3- Department responsible for the course: Medical Pharmacology Department.
- 4- Course code: TMED 02 A15-pharma
- 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: 02/09/2015

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 course graduate should be able to understand the following

a1-Recognize the basic theories and principles of pharmacology and related sciences needed in his career.

a2 – Have the needed basic information about pharmacologic manipulations for surgical diseases.

d. General and transferable skills:

By the end of the program the candidate will be able to:

d1- Advise colleagues from other specialties with regard to the pharmacological problems related to surgery

3-Course contents

1- obligatory course(1.3 credit hours)

GENERAL (1.5 hours)

Adverse effects of the drugs

ANS(2 hours)

Sympathomimetic

Sympathetic depressants

Parasympathomimetics

Cholinergic antagonist

Myasthenia gravis

CNS (1 hour)

Analgesics

BLOOD(1 hours)

Agent that increase blood volume

Anti anemic drugs

Drug affecting Haemostasis

CVS (3 hours)

Hypertension

Shock and hypotensive state

Heart failure

Angina

Acute myocardial infarction

Arrhythmia

RESPIRATORY(2 hours)

Drug therapy of bronchial asthma

Treatment of status asthmaticus

Drug therapy of cough

Therapeutic gases

AUTACOIDS(1hour)

Histamine

Histamine antagonists

GIT (2 hours)

Acid peptic diseases

Drugs foe vertigo, motion sickness, & vomiting

Emetics

Prokinetic drugs

Antispasmodics

Intestinal evacuants

Drug therapy for diarrhea

Portal systemic encephalopathy

Hepatotoxic drugs

ENDOCRINE(3 hours)

Thyroid hormones

Antithyroid hormones

Calcium metabolism

Diabetes mellitus

Adrenocortical hormones

CHEMOTHERAPY(3 hours)

Antimicrobials

Classification of Antimicrobials

Beta lactam antibiotics

Aminoglycosides

Chloramphenicol

Tetracyclines

Vancomycin

Macrolide antibiotics

Sulfonamides

Quinolones

Chemotherapy of tuberculosis

Antimalarial drugs

Chemotherapy of amoebiasis

Chemotherapy of schistosomiasis

Chemotherapy of helminthiasis

Antiviral drugs

2- Practical course (0.7 credit hours)

Prescription writing (7 hours)

How to manage clinical cases under different scenarios(7hours)

calculation of drug dosage and its individualization according to each patient(7 hours)

4-Teaching and learning methods

Illustrated lectures

Tutorial sessions,

5-Student Assessment

5.1 written examination. One written paper contains multiple long questions. To assess(a1,a2)

5.2oral examination. One sitting (3 staff members including in this sitting) to assess (a1,2,d1)

6- Weighing of assessments

| | |
|---------------------------|------------------|
| Written examination | 25 marks (50%) |
| Oral examination | 25 marks (50%) |
| Other types of assessment | Through log book |
| Total | 50 |

- بعد نهاية المقرر يتم تقييم الطالب عن طريق اختبار نهائى.
- يعقد الاختبار مرتين سنويا فى شهرى ابريل و أكتوبر من كل عام
- يحق للطالب التقدم للامتحان وفق بنود المادة 24 من اللائحة و التى تشترط استكمال logbook 75% و الحصول على موافقة رئيس القسم قبل شهر من موعد الامتحان.
- يتكون الامتحان من الاختبارات الآتية طبقا للمادة 5- 58 من اللائحة
- اختبار تحريري في الفارماكولوجي
- اختبار شفوى في الفارماكولوجي

7- List of references

7-1 Essential books (text books)

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

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

7-2Recommended 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)

7-3- 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

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

None

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

Course Specifications: Pharmacology for General Surgery Diploma Degree 2015-2016

Course coordinator and head of department

name :Prof. Mohamed Nabih Abdel Rahman Abdel Dayem

signature

Date 02/09/2015

Head of quality assurance unit

name: Prof. Essam Al Halaby

Signature

Date