



Quality Assurance Unit



Tanta University

Faculty of Medicine

Department of Medical Pharmacology

Course Specifications

Pharmacology for Internal Medicine Diploma Degree

2015-2016

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

A- Administrative Information

- 1- Course title: Pharmacology for Internal Medicine Diploma in Internal Medicine**
- 2- Department offering the program: Internal Medicine Department**
- 3- Department responsible for the course: Medical PHARMACOLOGY DEPARTMENT.**
- 4- Course code: TMED 02 A01-pharma**
- 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: 02/09/2015**

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 understand the following

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

3-Course contents

1- OBLIGATORY COURSE (1.5 CREDIT HOURS):

1. GENERAL PHARMACOLOGY (2 HOURS)

Pharmacokinetics
Adverse effects of the drugs
Drug-drug interaction

2. NEUROPHARMACOLOGY (3 HOURS)

Sympathetic depressants
Cholinergic antagonist
Myasthenia gravis

Drug therapy of migraine headache
Anxiolytic & sedative-hypnotics
Analgesics
Gout
Depression
Epilepsy

3. HEMATOLOGICAL PHARMACOLOGY (2 HOURS)

Drugs affecting Haemostasis
Anticoagulation
 Heparins
 Warfarin
 Direct thrombin inhibitors

4. CARDIOVASCULAR PHARMACOLOGY (3 HOURS)

Hypertension
Shock and hypotensive state
Heart failure
Angina
Acute myocardial infarction
Arrhythmia

5. ENDOCRINE PHARMACOLOGY (3 HOURS)

Thyroid hormones & Antithyroid drugs
Calcium metabolism
Diabetes mellitus
Adrenocortical hormones

6. PULMONARY PHARMACOLOGY (2 HOURS)

Drug therapy of bronchial asthma
Treatment of status asthmaticus
Drug therapy of cough
COPD

7. GASTRO-ENTROLOGY (2.5 HOURS)

Acid peptic diseases
Drugs foe vertigo, motion sickness, & vomiting
Emetics
Prokinetic drugs
Hepatic diseases (cirrhosis, hepatitis, drug-induced)

Portal systemic encephalopathy

8. RENAL PHARMACOLOGY (2 HOURS)

Chronic Renal Failure/ESRD/Dialysis

Acute Renal Failure
Acid/Base

9. CHEMOTHERAPY (3 HOURS)

Classification of Antimicrobials

Beta lactam antibiotics

Aminoglycosides

Chloramphenicol

Tetracyclines

Vancomycin

Macrolide antibiotics

Sulfonamides

Quinolones

Chemotherapy of amoebiasis

Chemotherapy of schistosomiasis

Chemotherapy of helminthiasis

Chemotherapy of Tuberculosis

Chemotherapy of UTI

Chemotherapy of HIV / AIDS

2- PRACTICAL COURSE (0.5 CREDIT HOUR)

- PRESCRIPTION WRITING (5 HOURS)
- HOW TO MANAGE CLINICAL CASES THROUGH MULTIPLE PROBLEM SCENARIOS (5 HOURS)
- CALCULATION OF DRUG DOSAGE AND ITS INDIVIDUALIZATION ACCORDING TO EACH PATIENT(5 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)

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

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6- Weighing of assessments

Written examination	100 marks (50%)
Oral examination	100 marks (50%)
Other types of assessment	Through log book
Total	200

- Assessment schedule

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

7-2 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)

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 Internal Medicine 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