



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Medical Pharmacology

Course Specifications

**Pharmacology for
Neuropsychiatry Doctorate
Degree**

2015-2016

Pharmacology for Neuropsychiatry Master Degree Course Specifications

University: T anta

Faculty: Medicine

Department: Pharmacology

A- Administrative Information

1-Course title: Doctorate in Neuropsychiatry

2- Department offering the program: Neuropsychiatry Department

3- Department responsible for the course: Medical pharmacology

4- Course code: **TMED 03 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/ 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

1. General pharmacology:
 - Drug drug interaction.
 - Adverse drug effects
2. Neuropharmacology
 - i. Neurotransmitter and receptor systems in the brain
 - ii. Muscarinic receptor agonists and antagonists
 - iii. Pharmacotherapy of organophosphorus poisoning
 - iv. Agents acting at the neuromuscular Junction and Autonomic Ganglia
 - v. Adrenergic agonists and antagonists
 - vi. 5-Hydroxytryptamine (Serotonin) and dopamine
 - vii. Neurodegenerative Disorders – and drugs used to treat them

- viii. Pharmacotherapy of depression and anxiety disorders
- ix. Pharmacotherapy of psychosis and mania
- x. Pharmacotherapy of epilepsy
- xi. Pharmacotherapy of migraine headache
- xii. Analgesics (narcotic and non narcotic)
- xiii. Hypnotics and sedatives
- xiv. Drug addiction and drug abuse

3. Hematological pharmacology

- i. Pharmacotherapy of coagulation disorders
- ii. Pharmacotherapy of anemia

4. Chemotherapy

- iii. General Principles of Antimicrobial Therapy
- iv. Penicillins, Cephalosporins and Other β -Lactam Antibiotics
- v. Vancomycin
- vi. Sulfonamides, Trimethoprim-Sulfamethoxazole
- vii. Aminoglycosides
- viii. Chloramphenicol
- ix. Macrolide antibiotics
- x. Tetracyclins
- xi. Metronidazole
- xii. Chemotherapy of Malaria
- xiii. Chemotherapy of Tuberculosis and Leprosy
- xiv. Antifungal Agents
- xv. Antiviral Agents
- xvi.

5. Topics for Essays

- 1. Transient ischemic attacks
- 2. Brain abscess
- 3. Cerebral atherosclerosis
- 4. Trigeminal neuralgia
- 5. Encephalitis and meningitis
- 6. Diabetic neuropathy

4-Teaching and learning methods

Illustrated lectures.

tutorial sessions .

5-Student Assessment

5.1 written examination. One written paper contains multiple long questions.

5.2 Oral examination. One sitting (3 staff members including in this sitting)

6- Weighing of assessments

Written examination	marks (50%)
Oral examination	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 لامتحان 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 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:

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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 Neuropsychiatry Master Degree, 2015-2016

Course coordinator and head of department

name :Prof. Mohamed Nabih Abdel Rahman Abdel Dayem

signature

Date 02/12/2015

Head of quality assurance unit

name: Prof. Essam Al Halaby

Signature

Date