



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Medical Pharmacology

Course Specifications

**Pharmacology for
Orthopedic surgery Master
Degree**

2015-2016

Pharmacology for Orthopedic surgery Master Degree Course Specifications
University: T anta Faculty: Medicine Department: Pharmacology

A- Administrative Information

- 1- Course title: Master of Orthopedic surgery
- 2- Department offering the program: Orthopedic surgery Department
- 3- Department responsible for the course: Medical Pharmacology Department.
- 4- Course code: ORTHO 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: 4 / 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

ANS(0.5 h)

Sympathetic

Parasympathetic

Neuromuscular blocker

CNS(1 h)

Analgesics

General anesthesia

Local anesthetics

CVS(0.5 h)

Shock

Blood(1.5 h)

DVT

Blood restorative

Endocrine (2.5 h)

Calcium metabolism

Treatment of osteoporosis

Paget disease of bone

Diabetes mellitus

Adrenocortical hormones

Chemotherapy (1 h)

Antimicrobials

Chemotherapy of tuberculosis

Metronidazole.

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,

practical techniques, ,

Teaching under observation,

Assignment

5-Student Assessment

الامتحانات						المناهج			المقرر الدراسي	
مجموع العرجات	الكلينيكي	نظري	عملي	تحريرى	عدد الأوراق	النقاط المعتدة	الساعات المعتدة	الكود		
50		10	10	30	1	6	2	ORTHO 8001	1. مقرر علمى وعملى فى التشريح الجراحى والنمو الجنينى والهستولوجيا.	الجزء الأول
50		10	10	30	1	6	2	ORTHO 8002	2. مقرر علمى وعملى فى الفسيولوجيا والكيمياء الحيوية والفارماكولوجيا.	
100		20	20	60	1	12	4	ORTHO 8003	3. مقرر علمى وعملى فى البكتريولوجيا والباثولوجيا الجراحية.	
100	20	10	10	60	1	12	4	ORTHO 8004	4. مقرر علمى وعملى واكلينيكى فى الجراحة العظمة.	
						12	4		مقررات اختيارية.	
						4	2		أنشطة علمية.	
						24	12			الرسالة
900	80	65	35	270	1	18	6	ORTHO 8005	1. مقرر علمى وعملى واكلينيكيان فى أمراض جراحة العظام.	الجزء الثانى
						18	6	ORTHO 8006		
	80	65	35	270	1	18	6	ORTHO 8007	2. مقرر علمى وعملى واكلينيكيان فى الاصابات.	
						18	6	ORTHO 8008		
						24	8		مقررات اختيارية.	
						8	4		أنشطة علمية.	
1200	180	180	120	720		180	66			المجموع

6- List of references

Course specifications: Pharmacology for Orthopedics Master Degree, 2015-2016

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.biomedcentral.com. -www.Pubmed.Com
- www.medscape.Com. www.eulc.edu.eg
- www.ScienceDirect.Com www.WileyBlackwell.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 1/12/2014
Head of quality assurance unit name: Prof. Essam Al Halaby	
Signature	Date