



## COURSE SPECIFICATION

### (pharmacology)

Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Program offering the course.	Orthopediac and traumatology master degree
(2) Department offering the program.	Orthopediac department
(3) Department responsible for teaching the course.	pharmacology department
(4) Part of the programme.	First part
(5) Date of approval by the Department`s council.	11.5.2016
(6) Date of last approval of programme specification by Faculty council.	9/8/2016
(7) Course title.	( pharmacology)
(8) Course code.	Osur506
(9) Total teaching hours.	7.5 hours

## **(B) Professional information**

### **(1) Course Aims.**

The broad aims of the course are as follows.

This course aims at providing participants with the knowledge and prepare the postgraduate students to use drugs safely during surgery. To accomplish this, the pharmacokinetics, pharmacodynamics & phamacotherapeutics of drugs used to prevent to treat disease related to general surgery are presented.

### **(2) Intended Learning Outcomes (ILOs):**

#### **A- Knowledge and Understanding**

A 1	identify the common descriptive pharmacological terms
A2	use the drug pre &post operative.
A3	Know the definition,mode of action, effectiveness,dose,uses,side effects,relative &absolute contraindication of the drug related to the surgery
A4	Know clinical instruction and follow up of side effects and toxicity of different drugs
A5	Apply the knowledge of the course where ever the clinical problem demand and recall thr information hen needed

#### **B- Intellectual skills**

B1	Integrate basic pharmacological knowledge with clinical data.
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### (3)Course content.

Subjects	Lectures
<b>(1)- central nervous system:</b> i- opiate analgesic&NSIDS. ii- sedatives&hypnotics. iii- local analgesics.	1 hour
<b>(2) – autonomic pharmacology</b> A- pharmacology of atropine. B-pharmacology of anti histaminics(h1 and h2 blockers)	1 hour
(3)drugs of: a.Rheumatoid arthritis. b.osteoarthritisand gout	1 hour
(4)cardiovascular system: Drug therapy of shock(neurogenic,anaphylactic,hypovolaemic)	1 hour
(5)blood:	1.5 hours
(6)chemotherapy:	1 hour
(7)endocrine pharmacology:	<b>1 hour</b>

### (4)Assessment methods.

**5.1: Written Exam to assess knowledge**

**5.2: Oral Exam to assess knowledge**

**Assessment schedule:**

Assessment 1. Written Exams Short essay after 6 months from the date of registration to the degree

Assessment2: Oral Exams after 6 months from the date of registration to the degree

Assessment 3: MCQ continuous assessment exam at the end of the semester

**Percentage of each Assessment to the total mark:**

Written exam: 60 %

Oral exam: 40 %

Assessment 3: MCQ 20% of the written exam

Other assessment without marks:

Assessment of attendance & absenteeism throughout the course

Research assignment to assess general transferable skills, intellectual skills

**(5)References of the course.**

5.1. **Hand books:** basic and clinical pharmacology ;los Altos"California lange medical publishers"

5.2. **Text books:** clinical pharmacology.

5.3. **Websites:**

Google.com

**(6)Facilities and resources mandatory for course completion.**

- a. Teaching places (teaching class, teaching halls, teaching laboratory).
- b. Teaching tools: including screens, computers including CD, data show, projectors, flip charts, white boards, video player, digital video camera, scanner, copier and laser printers

**(7). Teaching methods.**

7.1: Lectures

7.2: Discussion,

7.3: Practical sessions

7.4: Assignments

**Course coordinator:**

**Dr.Khalid Nour**

**Head of the department.**

**Prof dr. Hani Elmowafi**

**Date:**