



## COURSE SPECIFICATION

### MSc Pediatrics –First part

Faculty of Medicine– Mansoura University

#### (A) Administrative information

(1) Programme offering the course:	MSc Pediatrics (PED 500)
(2) Department offering the programme:	Pediatrics
(3) Department responsible for teaching the course:	Pharmacology
(4) Part of the programme:	First part– Pharmacology
(5) Date of approval by the Department`s council	27/4/2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title:	Pharmacology
(8) Course code:	PED 506
(9) Total teaching hours:	15 hrs
(10) Credit hours	1 hour

(B) Professional information

(1) **Course Aims.**

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

**Provide knowledge and understanding of general principles of drug therapy and therapeutics of concern to pediatricians**

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

On successful completion of the course, the candidate will be able to:

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

A5.1 Describe the principles of general pharmacology especially the pharmacodynamics & kinetics and principles of perinatal and pediatric drug therapy.

A 5.2. Discuss the different classes of antimicrobials, spectrum, mechanism of actions and uses

A 5.3. Identify the properties and uses of drugs acting on: GIT, CVS, autonomic, respiratory, hematopoietic systems and CNS.

A 5.4. Discuss the pharmacology of chemotherapy, drugs affecting the bone and hormonal therapy.

**B- Intellectual skills**

B1. Construct appropriate management strategies for patients with common diseases, both acute and chronic, including medical and psychiatric conditions.

B2. Design an initial course of management for stabilization of patients with serious illnesses.

### Course content:

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
Pharmacodynamics	√				1
Pharmacokinetics	√				1
Special aspects of Perinatal & pediatric pharmacology	√				1
Autonomic nervous system drugs	√				1
Cardiovascular system drugs	√				1
Blood drugs	√				1
Kidney drugs	√				1
GIT drugs	√				1
Respiratory system drugs	√				1
CNS drugs	√				1
Autacoids	√				1
Hormones and drugs affecting metabolism	√				1
Agents affecting bone mineral homeostasis	√				1
Chemotherapy	√				2

### (3) Teaching methods:

- 4.1:.....Lectures.....
- 4.2: .....
- 4.3: .....
- 4.4: .....

#### (4) Assessment methods:

5.1....Written..... for assessment of.....(knowledge, intellectual skills)

5.2....Oral..... for assessment of.....(knowledge, intellectual, ).

5.3 MCQ for assessment of.....(knowledge, intellectual, )

Assessment schedule: Semester & Final Exam

Percentage of each Assessment to the total mark: 150 marks (7.14% of total)

Written exam.....72 marks.....

Clinical exam.....

Oral exam.....60 marks... ..

Semester MCQ.....18 marks.....

Other types of assessment.....%:.....

Other assessment without marks: No

#### (5) References of the course:

6.1: Hand books....Book notes of Physiology department.....

6.2: Text books....Ganong Text book of

physiology.....

6.3: Journals:.....

6.1: Websites:.....

6.1: Others:.....

#### (6) Facilities and resources mandatory for course completion:

- Lecture hall and data show

Course coordinator: Prof. Othman E. Soliman

Head of the department: Prof. Youssef Al-Tonbary

Date: