COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Ph.D Postgraduate degree of clinical pharmacology
(2) Department offering the programme:	Clinical pharmacology department
(3) Department responsible for teaching the course:	Clinical pharmacology department
(4) Part of the programme:	Second part
(5) Date of approval by the Department`s council	10/7/2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title:	Pharmacovigilance
(8) Course code:	CPHARM 606 PV
(9) Total teaching hours:	15
(10) Credit hours:	1

(B) Professional information

(1) Course Aims:

The broad aims of the course are:

1. Aquire knowledge that helps in detection, assessment, monitoring and prevention of important adverse reactions related to drug overdose and toxicity.

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

1. List phases of drug development
2. Outline basics of therapeutic drug monitoring.
3. Recall commonly prescribed drugs with narrow therapeutic index, that should be monitored routinely.
4. Outline general methods of management of drug poisoning.
5. List specific antidotes of important drugs.
6. Define drug dependence with its physical and psychological aspects.

B- Intellectual skills

1. Interpret results of clinical trials, related to drug safety and adverse effects.
2. Illusterate the role of therapeutic drug monitoring in minimizing adverse reactions relatd to medications.
3. Anticipate cases of drug toxicity, and how to manage.
4. Predict possible drug dependence, and how to prevent.

(3) Course content:

Topics	Lectures	Laboratory
• **Drug discovery and develpment.**	**2**	**-**
• **Ethical consideration.**	**1**	**-**
• **Therapeutic drug monitoring (TDM)**	**2**	**-**
• **Drug involved in TDM**	**2**	**-**
• **Drug overdose/ poisoning**	**2**	**-**
• **Spesific antidotes and common poisonings**	**2**	**-**
• **Preventing adverse effects from occuring**	**2**	**-**
• **Pharmacological aspects of drug depedence.**	**2**	**-**
Total hours:	**15**	

(4) Teaching methods:

4.1: Lectures

(5) Assessment methods:

5.1: - **Written exam** for assessment of knowledge & intellectual ILOs.

5.2: **MCQ exam** at the end of the semester for assessment of knowledge & intellectual ILOs.

Assessment schedule:

المجموع	الدرجة	الاختبار	المقرر
٥٠	٤٠	اختبار تحريري	الحذر الدوائ
	١٠	اختبار MCQ	

(6) References of the course:

6.1: Text books:

Pharmacology and therapeutics (Goodman) [Last edition].
Instant clinical pharmacology (Evan J. Begg)
Clinical pharmacology (Bennet et al) [11th edition].

6.2: Journals :

Pharmacological reviews, ……………… etc

(7) Facilities and resources mandatory for course completion:

- Computer labs with open access to medical research databases
- Upgraded library
- Induction course introducing study skills.
- Candidate's logbook.
- Computer laboratories with a wide range of software.
- Internet with a wide range of learning support material.

Course coordinators:

- prof. Dr. Ali Gaballa
- Prof. Dr. Hussein Mahmoud El-Beltagi
- ass. Lecturer. Ahmed Abdel-monem El-metwally

Head of the department:

- Prof. Dr. Hussein Mahmoud El-Beltagi