



COURSE SPECIFICATION

(Clinical Toxicology Elective course of Family Medicine Master)

Faculty of Medicine- Mansoura University

(A) Administrative information

<input type="checkbox"/> Programme offering the course:	Postgraduate Master degree of Family Medicine FAM500
<input type="checkbox"/> Department offering the programme	Public Health & Community Medicine Department
<input type="checkbox"/> Department responsible for teaching the course:	Forensic Medicine & Clinical Toxicology Department.
<input type="checkbox"/> Part of the programme	Second part
<input type="checkbox"/> Date of approval by the Department`s council	24/5/2016
<input type="checkbox"/> Date of last approval of programme specification by Faculty council	9/8/2016
<input type="checkbox"/> Course title	Clinical Toxicology
<input type="checkbox"/> Course code	
<input type="checkbox"/> Credit hours	1 hour
<input type="checkbox"/> Total teaching hours	15 hours/15 weeks.

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

- 1- To prepare the candidates to acquire knowledge, competencies, in applications of the basic clinical Toxicology science.
- 2- To give our candidate the ability to integrate the data obtained from clinical examination properly for first aid management of the poisoned patient.
- 3-To apply appropriate ethical and professional standards in day to day practice and in relationships with the patients and colleagues.

(2) Intended Learning Outcomes (ILOs):

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

A- Knowledge and Understanding

- A1:** Recognize different circumstances of intoxication, toxic doses, clinical presentations, differential diagnosis, investigations, prevention and treatment of different classes of drugs and toxic substance poisoning.
- A2:** Explain toxicological and non-toxicological causes of different medical problems.
- A3.** Recognize acute & chronic clinical manifestations of drug abuse.
- A4.** Identify the principles of medical ethics that guide the doctor-patient and the doctor-doctor relationships at the different levels of health care services.

B- Intellectual skills:

- B1.** Analyze toxicological case scenarios and justify for problem-based solving decisions via thoroughly identification of history of exposure, signs & symptoms, laboratory investigations.
- B2.** Interpret laboratory and radiological results in clinical toxicology cases.
- B3.** Relate the examination findings, investigational results and history taking to reach proper diagnosis of intoxicated patients.
- B4.** Assess the risks in dealing with cases of occupational exposure, drug addiction and psychiatric disorders of drug abuse and follow physician-patient safety guidelines.
- B5.** Explain admission and discharge criteria for intoxicated patients and learn to differentiate those that can be managed safely as an outpatient.
- B6.** Differentiate toxicological and non-toxicological causes of different medical problems.
- B7.** Participate in the education of patients, families, students, residents and other health professionals.
- B8.** Construct proper transfer report including all patients' data, treatment received, recommendation and cause of transfer as well as medical request including specialty required, patient condition, cause and aim of the request.

C- Professional skills:**D- Communication & Transferable skills**

- D1:** Recognize one's own limitation of knowledge and skills and refer patients to appropriate specialized health facility at appropriate stage.
- D2:** Work effectively as a member or leader of a health care team or other professional group.
- D3:** Act in a consultative role to other physicians and health professionals.
- D4:** Manage patient at proper time.
- D5:** Respect for patient privacy and autonomy;

(3) Course content:

Subjects	Lectures
1. History taking & Clinical examination of poisoned patients.	2
2. Role of laboratory in toxicology.	1
3. Role of ECG in Toxicology.	1
4. Acid Base balance.	1
5. Management of poisoned patient (diagnosis and treatment). <ul style="list-style-type: none">• Emergency treatment.• Decontamination.• Antidotes• Enhanced elimination.• Symptomatic treatment.	3
6. Psychiatric evaluation of poisoned violent patient.	2
7. Pediatric consideration in toxicology.	1
8. Pregnancy consideration in toxicology.	1
9. Geriatric consideration in toxicology.	1
10. Medical ethics & malpractice	2
Total teaching hours	12

(4) Teaching methods:

4.1: Lectures

4.2: Power point presentation

4.3: Case scenarios.

(5) Assessment methods:

Assessment schedule:

5.1: Continuous assessment exam (MCQs): represents 20% of the total marks of the final written exam (=10 marks).

5.2: Final written exam (80%=40 marks) for assessment of A1-4, B1-8.

5.3. Structured oral exam for assessment of A1-4, B1-8, C1-3 & D1-16 at the end of semester.

Final exam at the end of fourth semester with total of 100 marks

Percentage of each assessment to the total mark:

Written exam: 50 marks

Structured oral exam: 50 marks.

Other assessment without marks: Logbook activities.

(6) References of the course:

Text books:

- Critical Care Toxicology, Diagnosis and Management of the Critically Patients, Jeffery Brent.
- Clinical management of poisoning and drug overdose, Haddad and Winchester`s.
- Clinical Toxicology, Marsha Ford.
- Medical Ethics, Philip A. Pecorino, Ph.D.

(7) Facilities and resources mandatory for course completion:

Lecture halls and data show.

Course coordinators:

Prof. Dr. Sahar Abdelaziz Eldakroory

Dr.Samira Shaaban

Head of the department: Prof. Dr. Sahar Abdelaziz Eldakroory

Date: