



## COURSE SPECIFICATION

### (Clinical Toxicology for Emergency Medicine)

Faculty of Medicine–Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate Master degree of Emergency medicine
(2) Department offering the programme.	Forensic Medicine & Clinical Toxicology Department
(3) Department responsible for teaching the course.	Forensic Medicine & Clinical Toxicology Department.
(4) Part of the programme.	First part
(5) Date of approval by the Department's council	<b>7/8/2016</b>
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Forensic and Toxicology
(8) Course code.	EM 519
(9) Credit hours	1 hour
(10) Total teaching hours.	15 hours/15 weeks

## **(B) Professional information**

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

The broad aims of the course are as follows.

- 1- Training the candidate to integrate data obtained from clinical examination and investigations properly for diagnosis and basic management of poisoned patients.
- 2- To appraise proper medico-legal reporting and ethical guidelines of different aspects of emergency patients.

### **(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 manifestations, differential diagnosis and select proper investigations and outline proper treatment of different classes of drugs and toxic substances poisonings.
- A2. Recognize pediatric, pregnancy and geriatric consideration in toxicology.
- A3. Define the basic concepts of medical ethics guidelines in clinical emergency practice and identify medicolegal aspects of head injuries and diagnosis of brain death.

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

- B1. Analyze toxicological case scenarios and justify for problem-based solving decision and enlist the differential diagnosis of cases of intoxicated patients.
- B2. Recognize common ethical dilemmas and suggest the proper solutions and analyze different problems of malpractice in emergency medicine.
- B3. Criticize a medicolegal report and death certificate based on clinical evidences and justify brain death

## D- Communication & Transferable skills

D1: Demonstrate compassion, integrity, and respect for all patient's rights and treat all patients equally regardless to their beliefs, culture and behavior.

D2: Communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds

D3: Communicate effectively with physicians, other health professionals, and health related agencies

D4: Maintain comprehensive, timely, and legible medical records, if applicable.

D5: Manage patient at proper time.

D6: Incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate.

D7: Advocate for quality patient care and optimal patient care systems.

D8: Work in inter-professional teams to enhance patient safety and improve patient care quality.

D9: Perform a good medical report for morbidity and mortality.

### (3) Course content.

Subjects	Lectures
<u>1-General management of the poisoned patient.</u> <ul style="list-style-type: none"><li>• History taking</li><li>• Clinical Examination</li><li>• Toxidromes</li></ul>	3
<ul style="list-style-type: none"><li>• Role of laboratory in toxicology</li><li>• Acid base balance.</li></ul>	2
<ul style="list-style-type: none"><li>• Role of ECG in toxicology</li></ul>	1
<ul style="list-style-type: none"><li>• Treatment of poisoned patient.<ul style="list-style-type: none"><li>✓ ABCs</li><li>✓ General criteria of admission</li></ul></li></ul>	1
<ul style="list-style-type: none"><li>✓ Decontamination</li></ul>	1
<ul style="list-style-type: none"><li>✓ Antidotes</li><li>✓ Enhanced elimination</li></ul>	2

• Pediatric, pregnancy and geriatric consideration in toxicology	1
<b>2-Forensic Medicine.</b>	
• Medical Ethics, malpractice and consent	2
• Report writing (toxicology and forensic) and death certificate	1
• Medicolegal aspects of head injuries and diagnosis of brain death	1
Total	15

#### **(4) Teaching methods.**

4.1: Lectures.

4.2: Power point & video presentation.

4.3: Case scenarios.

#### **(5) Assessment methods.**

5.1: Written exam & MCQ for assessment of A1-3, B1-3.

5.2: Structured Oral exam for assessment of A1-3, B1-3, D1-9

#### Assessment schedule.

Final exam at 24th month of admission to Master degree with total of 150 marks

#### Percentage of each Assessment to the total mark.

Written exam & MCQ: 90 marks (72 marks for final exam & 18 marks for continuous assessment).

Structured oral exam: 60 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.

#### **(7) Facilities and resources mandatory for course completion.**

Lecture halls and data show.

Poisoning unit

Grand rounds

**Course coordinator:**

**Prof. Dr. Sahar Abdelaziz El Dakroory**

**Prof. Dr. Amal Abd El- Salam Al Bakary**

**Head of the department:**

**Prof. Dr. Sahar Abdelaziz Eldakroory**

**Date:**