



## COURSE SPECIFICATION

### (Forensic Medicine and Medicolegal responsibilities)

#### Faculty of Medicine- Mansoura University

#### (A) Administrative information

|   |  |
|---|--|
| (1) Programme offering the course:                                      | Postgraduate Doctorate degree of Forensic Medicine and Clinical Toxicology/ FNST 600 |
| (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:  | Semesters III, IV, V, VI   |
| (5) Date of approval by the Department`s council                        | 25/7/2016  |
| (6) Date of last approval of programme specification by Faculty council | 9/8/2016   |
| (7) Course title:   | Forensic Medicine and Medicolegal responsibilities                                   |
| (8) Course code:  | Lectures: FNST 619 FM<br>Practical: FNST 619 FM P                                    |
| (9) Total credits   | 9 hours<br>(6 h lectures & 3 h practical)  |
| (10) Total teaching hours   | 180 Hours<br>(90 lectures and 90 h practical)  |

## **(B) Professional information**

### **1. Course Aims:**

The broad aims of the course are as follows:

1. To give our candidate advanced knowledge, competencies, skills and applications to integrate the forensic data properly, perform postmortem examination, collect samples, order for investigations, write proper medico legal report and reconstruct case scenario.
2. To interpret different cases of malpractice in different branches of medicine and surgery.

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

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

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

- A1: Describe updates in diagnosis of brain stem death and determination of postmortem interval.
- A2: Enumerate different causes of sudden death in athletes.
- A3: Identify virtual autopsy and recognize different artifacts in autopsy.
- A4: Describe post mortem distribution of drugs.
- A5: Describe different methods of anthropometry, dactylography and miscellaneous methods of identification.
- A6: Discuss medicolegal aspects of impotence, infertility and sterility.
- A7: Discuss different causes of environmental deaths
- A8: Enumerate different causes of anaesthetic deaths and discuss its medico-legal aspects.
- A9: Enumerate different types of violent asphyxia discuss their medicolegal aspects.
- A10: Recognize medicolegal aspects of different types of abortion.
- A11: Enumerate type of Barotrauma and describe its postmortem picture.
- A12: Enumerate types of domestic violence, resultant injuries, how to suspect and its medicolegal aspects
- A13: Identify basics of forensic radiology, psychiatry and odontology.
- A14: Recognize medicolegal aspects of infanticide and sudden infant death syndrome.
- A15: Enumerate different crime scene investigations
- A16: Define the principles of medical malpractice in different branches of medicine and surgery.
- A17: Describe medicolegal aspects of traffic medicine.

## **B- Intellectual skills**

- B1: Interpret common ethical dilemmas and analyze different problems of malpractice in different branches of medicine and surgery.
- B2: Analyze case scenario of clinical forensic medicine and interpret the results of autopsy together with pathology report and screening (toxicological, laboratory and radiological) and to identify the cause and manner of death.
- B3: Interpret forensic & medical evidences with objectivity and balance and criticize a medicolegal report based on evidences, criminalistic basics and crime scene investigation and be able to rewrite the report.

## **C- Professional/practical skills**

- C1: Perform medico-legal autopsies and medico-legal examination and construct proper medicolegal reports to reach an appropriate decision.
- C2: Demonstrate the different medico-legal specimens and comment properly on them.
- C3: Use appropriate technological means and plan to improve the performance of the professional practice.

## **D- Communication & Transferable skills**

- D1: Communicate effectively with colleagues and other health professionals.
- D2: Manage a group of junior staff and guide them for professional and research ethics applications.
- D3: Employ principles of medical ethics in dealing with cases' information by keeping cases' privacy and confidentiality even with multi-personnel accessibility to patient data and keeping cases' medical records.
- D4: Perform presentation skills and case management according to the known standards and time schedule and participate in CME program and perform self-appraisal.

### 3. Course contents:

#### a. Lectures:

| Subject   | Hours |
|---|-------|
| Thanatology   | 7     |
| Sudden death in athletes                                  | 2     |
| Virtual autopsy   | ۲     |
| Artifacts in autopsy                                      | 3     |
| Post-mortem distribution of drugs                         | ۲     |
| Anthropology  | 8     |
| Medico legal importance of prints                         | 3     |
| Impotence and sterility                                   | 2     |
| Environmental deaths                                      | 6     |
| Anaesthetic and operative death                           | 2     |
| Differentiation between different types of asphyxia       | 7     |
| Differentiation between different types of abortion       | 5     |
| Barotrauma  | 3     |
| Domestic violence   | 5     |
| Basic forensic radiology                                  | 3     |
| Forensic psychiatry                                       | 3     |
| Basic forensic odontology                                 | 3     |
| Infanticide   | 3     |
| Sudden infant death syndrome                              | 5     |
| Crime scene investigation                                 | 5     |
| Malpractice in different branches of medicine and surgery | 9     |
| Traffic medicine  | ۲     |
| Total   | 90    |

## **b. Practical:**

| <b>Subject</b>   | <b>Hours</b> |
|--|--------------|
| Thanatology  | 10           |
| Artifacts in autopsy   | 5            |
| Anthropology   | 10           |
| Medico legal of prints   | 5            |
| Environmental deaths   | ۷            |
| Medico legal reports of operative death                            | 5            |
| Medico legal reports in different types of asphyxia                | 10           |
| Medico legal reports in different types of abortion                | ۶            |
| Reporting of domestic violence                                     | 10           |
| Basic forensic radiology   | 3            |
| Basic forensic odontology  | 3            |
| Infanticide  | ۳            |
| Sudden infant death syndrome                                       | ۳            |
| Cases in malpractice in different branches of medicine and surgery | ۱۰           |
| Total  | ۹۰           |

### **(1) Teaching methods:**

**4.1: Lectures**

**4.2: Essay discussion and case scenarios.**

**4.3: Practical (museum specimens)**

**4.4: Discussion of forensic case reports.**

**4.5: Attending forensic morgue and Forensic Medicine Department, Ministry of Justice.**

### **Assessment methods:**

**5.1: Written exam & MCQ for assessment of A1-17, B1-3.**

**5.2: Structured oral exam for assessment of A1-17, B1-3, D1-4.**

**5.3: Case report/specimen demonstration for assessment of B1-3, C1-3.**

#### **Assessment schedule:**

Final exam at 36<sup>th</sup> month from admission to MD degree with total of 220 marks

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

Written exam & MCQ : 120 marks represents 54.6%

Structured oral exam : 50 marks represents 22.7%

OSPE: 50 marks represents 22.7%

**Other assessment without marks: Logbook activities**

**(2) References of the course:**

**Text books:**

- Forensic Science-The Basics, Jay A. Siegel
- The essentials of Forensic Medicine and Toxicology, Dr. K. S. Narayan Reddy.
- Forensic Pathology, Knight.

**(3) Facilities and resources mandatory for course completion:**

Lecture halls and data show.

Rotation in Forensic Institute of Medicolegal Examination.

**Course coordinator: Prof. Dr. Sahar Abdelaziz El Dakroory  
Prof. Dr. Amal Abd El- Salam Al Bakary  
Dr. Shabaan AbdelFattah**

**Head of the department: Prof. Dr. Sahar Abdelaziz El Dakroory**

**Date:**