

## Course Specification

### Forensic Medicine and Toxicology

#### 9. General information

<b>Course Title</b>	<b>Forensic Medicine and Toxicology</b>
<b>Code No.</b>	<b>FO744</b>
<b>Department</b>	<b>Forensic Medicine and Toxicology</b>
<b>Teaching Hours</b>	<b>160hrs.</b>
<b>Language</b>	<b>English</b>
<b>Academic Year</b>	<b>Fourth Year</b>
<b>Course Coordinator</b>	<b>Dr. Jadallah Emhalhel</b>
<b>Date and Signature</b>	<b>October 2020</b>

#### 1.1 . Number of hours per week

Lectures: 3hrs.

Practical: 12hrs. (2 months)

Tutorial: 1hr.

#### 10.Objectives of Course:

- To provide basic knowledge of medical ethics and malpractice .
- To provide basic background of medicolegal aspects of living and dead individuals.
- To provide ability to diagnose and treat intoxicated patients.

### 3. Intending Learning Outcomes (ILOs):

#### a. Knowledge and Understanding:

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

a.1	Explain various medicolegal aspects of malpractice &ethics.
a.2	Describe different medicolegal aspects of living and dead individuals regarding personal identification ,diagnosis of death, causes and manner of death, postmortem changes.
a.3	Explain medicolegal aspects of different cases of sexual offences
a.4	Explain medicolegal aspects of blood grouping and DNA in forensic field.
a.5	Examine and write a proper primary report for a cases of wounds and injuries.
a.6	Explain the circumstances of intoxication, toxic dose, clinical picture, investigation, differential diagnosis, treatment of different drugs and toxic substances.

#### b. Intellectual skills:

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

b.1	Recognize common ethical dilemmas and suggest a proper solution.
b.2	Analyze different malpractice problems.
b.3	Analyze and recognize a clinical forensic cases.
b.4	Analyze and recognize intoxicated cases.

#### c. Practical and Professional Skills:

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

c.1	Identify living and dead individuals.
c.2	Diagnose death by different clinical and investigatory methods.
c.3	Estimate time pass since death through assessment of postmortem changes.
c.4	Identify different mechanisms and manners of death.
c.5	Examine different wounds and injuries and write a proper primary report.
c.6	Make a preliminary tests for blood grouping
c.7	Make a preliminary investigation for toxicological cases.

#### d. General and Transferable skills:

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

d.1	Know when and how to ask for senior consultation.
d.2	Achieve informed consent from the patient or the patient's surrogate for the treatment plan.
d.3	Utilize IT skills and biostatistics properly to present significant work.

#### 4. Course Contents:

Academic Subject	Total Hours (160)	Lectures	Practical	Tutorials
<b>Forensic medicine</b>	<b>80</b>	<b>50</b>	<b>25</b>	<b>5</b>
<b>Introduction in forensic medicine: Terminology &amp; different medicolegal systems</b>	4	2	2	
<b>Thanatology</b>	12	10	2	
<b>Identification of living and dead individuals</b>	5	3	2	
<b>Wounds and its interpretation</b>	12	10	2	
<b>Sexual offences and its legal aspects</b>	4	2	2	
<b>Medico-legal aspects of infanticide</b>	2	1	1	
<b>Violent asphyxia</b>	6	4	2	
<b>Bodies recovered from water</b>	4	2	2	
<b>Child abuse</b>	4	2	2	
<b>Medicolegal aspects of pregnancy, abortion, delivery</b>	4	2	2	
<b>Medicolegal aspects of mental diseases</b>	4	2	2	
<b>Neglect, starvation, hypothermia</b>	2	1	1	
<b>Abuse of human rights</b>	2	1	1	
<b>Medical ethics &amp; Malpractice</b>	10	8	2	
<b>Clinical Toxicology</b>	<b>80</b>	<b>50</b>	<b>25</b>	<b>5</b>
<b>General toxicology</b>	13	8	5	
<b>Corrosive and bleaching substances</b>	10	8	2	
<b>Pesticide poisoning</b>	6	4	2	
<b>Therapeutic Toxicity</b>	10	8	2	
<b>Toxicity of Alkaloids</b>	6	4	2	

Academic Subject	Total Hours (160)	Lectures	Practical	Tutorials
Inhalants Poisoning	6	4	2	
Volatile Poisoning	4	2	2	
Drug and Substances of Abuse	4	2	2	
Heavy Metal Poisoning	6	4	2	
Food Poisoning	4	2	2	
Animal Poisoning	6	4	2	

### 5. Teaching and Learning Methods :

- Formal Lectures
- Tutorials and case-based discussion
- Practical sessions:
  - Dissection and primary forensic report
  - Picture for wounds and firearm injuries
  - Examination of collection of bone
  - Demonstration of forensic specimens by photographs
  - Demonstration of specimens in toxicology

### 6. Evaluation Methods

Evaluation Method	Date	Marks 100	%	ILOs Assessed
1 Mid-year Exam	June	15	15%	Knowledge, understanding and intellectual skills
2 Final Exam	November	85	85%	
▪ Written		45		Knowledge, understanding and intellectual skills
▪ Clinical		20		knowledge, understanding and intellectual skills Practical and professional skills General and transferable skills
▪ Oral		20		Knowledge, understanding and intellectual skills Professional, general and transferable skills

### 7. Evaluation Schedule:

Evaluation	Date
Mid-term written exam: True & False questions & MCQs with case studies Essay questions, matching and complete the blanks	<b>June</b>
Final written exam: True & False questions, MCQs with case studies Essay questions, matching and complete the blanks	<b>November</b>
Practical exam: Spotting	<b>November</b>
Oral exam: conducted by external examiners	<b>November</b>

### 8. References:

Reference title	Publisher	Edition	Author	Place
Course handouts			Department Staff	Library
1-Forensic medicine Encyclopedia 2-Principles of Clinical Toxicology 3- Keith Simpson Forensic medicine 4- Hadad clinical management of poisoning & Drug Overdose				
Academic journal	Journal of forensic Science			

### 9. Required Facilities:

Required Facilities	Comments
Lecture halls	
Digital board	
Data show	

Course Coordinator: Dr Jadallah Emhalhel

Signature: .....

Programme Coordinator: Dr. Hussain Amaigil

Signature: .....

Head of Department: Dr Jadallah Emhalhel

Signature:.....

Date: October 2020

**Course ILOs Mapping Matrix – Forensic Medicine and Toxicology**

Topic	Knowledge and Understanding a						Intellectual Skills b				Practical and Professional Skills c							General and Transferable Skills d		
	1	2	3	4	5	6	1	2	3	4	1	2	3	4	5	6	7	1	2	3
Forensic Medicine	x	x	x	x	x		x	x	x		x	x	x	x	x	x		x	x	x
Clinical Toxicology	x					x	x	x	x	x							x	x	x	x