



## Course Specifications

<b>Course Title:</b>	Forensic Medicine and Toxicology
<b>Course Code:</b>	FMT357
<b>Program:</b>	Bachelor of Medicine, Bachelor of Surgery (MBBS)
<b>Department:</b>	NA
<b>College:</b>	College of Medicine
<b>Institution:</b>	Alfaisal University

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## A. Course Identification

<b>1. Credit hours:</b> 2 (2+0+0)
<b>2. Course type</b>
a. University <input type="checkbox"/> College <input checked="" type="checkbox"/> Department <input type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> Sem 5, Year 3
<b>4. Pre-requisites for this course (if any):</b> Sem 3 and 4
<b>5. Co-requisites for this course (if any):</b> None

### 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom – including CPC	36	100%

### 7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	36
2	Laboratory/Studio	
3	Tutorial	
4	Others (specify)	
	<b>Total</b>	36

## B. Course Objectives and Learning Outcomes

### 1. Course Description

This course introduces and provides the student with an overview of a variety of topics within Forensic Medicine and Toxicology. Concepts covered in this course include an introduction to principles of forensic pathology, medico-legal systems, types of injuries/assault, and illicit drugs/poisons and their clinical correlation.

### 2. Course Main Objective

Introduction to principles of forensic pathology, medico-legal systems, types of injuries/assault, and illicit drugs/poisons and their clinical correlation.

### 3. Course Learning Outcomes

CLOs		Aligned PLOs
1	<b>Knowledge and Understanding</b>	
1.1	Describe the principles of drug and alcohol abuse, including its mechanisms of inflicting tissue damage, and methods of assessment.	PLO6

CLOs		Aligned PLOs
1.2	Describe medical poisons, its use, its methods of assessment and analysis.	PLO6,17
1.3	Discuss the Saudi regulation of medical practice.	PLO6,7
1.4	Discuss the medical certificate of death.	PLO6,7
1.5	Describe the appearance of body after death.	PLO6,7
1.6	Discuss death and injury in infancy.	PLO6,7,17
1.7	Describe sexual assaults, its signs, documentation, and evidence collection and analysis.	PLO6,7,16,17
1.8	List and discuss roles of all personnel involved in forensic medicine response, evidence collection, and analyses.	PLO6,7
<b>2</b>	<b>Skills :</b>	
2.1	Critical thinking skills through class discussions in the clinicopathologic correlations sessions.	PLO6,7,16,17
<b>3</b>	<b>Values:</b>	
3.1	Adhere to the attendance policy.	
3.2	Maintain professional conduct with colleagues, faculty, and staff.	

### C. Course Content

No	List of Topics	Contact Hours
1	<b>Forensic Toxicology Section</b> <ul style="list-style-type: none"> <li>• Principles of Toxicology</li> <li>• Alcohol</li> <li>• Licit and Illicit drugs</li> <li>• Medical poisons</li> <li>• Miscellaneous poisons</li> </ul> CPC 1: Toxicology “Clinical Pathological Correlations” CPC 2: Toxicology “Clinical Pathological Correlations”	12
2	<b>Forensic Medicine Section</b> <ul style="list-style-type: none"> <li>• Doctors and the law (Saudi regulations)</li> <li>• Ethics of medical practice (Saudi regulation)</li> <li>• Thanatology</li> <li>• The appearance of the body after death</li> <li>• Unexpected and sudden death from natural causes</li> <li>• Death and injury in infancy</li> <li>• Assessment, classification and documentation of injury</li> <li>• Regional Injuries</li> <li>• Ballistic Injuries</li> <li>• Use of Force and restraint</li> <li>• Transportation Medicine</li> <li>• Asphyxia</li> <li>• Immersion and drowning</li> <li>• Heat, cold, and electrical trauma</li> <li>• Sexual assault</li> <li>• Child assault and protection</li> <li>• Principles of Forensic Science</li> <li>• Allied Forensic Specialist</li> </ul>	24

CPC 1: Forensic Medicine “Clinical Pathological Correlations”	
CPC 2: Forensic Medicine “Clinical Pathological Correlations”	
<b>Total</b>	36

## D. Teaching and Assessment

### 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge and Understanding</b>		
1.1	Describe the principles of drug and alcohol abuse, including its mechanisms of inflicting tissue damage, and methods of assessment.	Lectures, CPCs	Formative and summative assessment
1.2	Describe medical poisons, its use, its methods of assessment and analysis.	Lectures, CPCs	Formative and summative assessment
1.3	Discuss the Saudi regulation of medical practice.	Lectures, CPCs	Formative and summative assessment
1.4	Discuss the medical certificate of death.	Lectures, CPCs	Formative and summative assessment
1.5	Describe the appearance of body after death.	Lectures, CPCs	Formative and summative assessment
1.6	Discuss death and injury in infancy.	Lectures, CPCs	Formative and summative assessment
1.7	Describe sexual assaults, its signs, documentation, and evidence collection and analysis.	Lectures, CPCs	Formative and summative assessment
1.8	List and discuss roles of all personnel involved in forensic medicine response, evidence collection, and analyses.	Lectures, CPCs	Formative and summative assessment
<b>2.0</b>	<b>Skills</b>		
2.1	Critical thinking skills through class discussions in the clinicopathologic correlations sessions.	CPCs	Formative assessment
2.2			
<b>3.0</b>	<b>Values</b>		
3.1	Adhere to the attendance policy.		Continuous assessment
3.2	Maintain professional conduct with colleagues, faculty, and staff.		Continuous assessment

### 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-term	8	20%

#	Assessment task*	Week Due	Percentage of Total Assessment Score
2	Final Exam	18	80%

\*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

## E. Student Academic Counseling and Support

### Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

The CoM program established its own mentorship program that employs all full-time faculty as mentors. Through this program, every medical student in the program is assigned a mentor at the beginning of their first semester of studies. The program has a broad scope covering academic advising and counseling. The mentors handle all aspects related to academic advising, including academic planning, academic performance review, advice on course drop or withdrawal, study skills, and time management.

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	<ul style="list-style-type: none"> <li>Simpson's Forensic Medicine, 14<sup>th</sup> Edition</li> <li>Forensic Pathology (Practical Aspects of Criminal and Forensic Investigations) 2nd Edition</li> </ul>
<b>Essential References Materials</b>	
<b>Electronic Materials</b>	PowerPoint presentations uploaded on Alfaisal E-learning Portal
<b>Other Learning Materials</b>	The Alfaisal Library provides a wide array of electronic databases of reference books and journals through multiple databases include ScienceDirect (TM).

### 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	AV (Audio-Visual), Smartboard, Moodle (E-learning Management)
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course and Faculty Evaluation Survey	Students	Survey

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## H. Specification Approval Data

Council / Committee	
Reference No.	
Date	