



## Course Specifications

<b>Course Title:</b>	<b>Forensic Medicine and Toxicology</b>
<b>Course Code:</b>	<b>673 FMT-2</b>
<b>Program:</b>	<b>Bachelor of Medicine and Bachelor of Surgery (MBBS)</b>
<b>Department:</b>	<b>N/A</b>
<b>College:</b>	<b>Medicine</b>
<b>Institution:</b>	<b>Najran University</b>

## A. Course Identification

<b>1. Credit hours:</b> 2 (1+1)
<b>2. Course type</b> a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input type="checkbox"/> Others *(Program) <input checked="" type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> Year 6 - Semester-2 (level 17)
<b>4. Pre-requisites for this course (if any):</b> Phase 2 blocks
<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	18	50 %
2	Blended		
3	E-learning		
4	Distance learning		
5	Other (Practical classes)	30	50 %

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

No	Activity	Contact Hours
1	Lecture	12
2	Laboratory/Studio	30
3	Tutorial	-
4	Others (specify)	-
h	Seminar	6
	<b>Total</b>	<b>48</b>

## B. Course Objectives

### 1. Course Description

This course is delivered to the medical students at the twelfth level /6th year. It represents an introduction to forensic medicine, postmortem pathology, and Toxicology. The students will study legal, professional, and ethical aspects of **Forensic Medicine** including: identification, cause, mechanisms, and manners of death (unexpected and natural death), mechanical and physical trauma and injury, drowning. In addition, they will study the legal responsibilities of doctors working in the hospitals and reporting Medico-legal cases. In the end, students are expected to develop a problem-solving approach to the relevant legal issues.

## 2. Course Main Objective

At the end of this course of Forensic Medicine and Toxicology, the students are expected to:

1. Diagnose death and get a logical conclusion on cause, manner, and time of death.
2. Interpret the medicolegal cases to write a medicolegal reports according to the law.
3. Differentiate between different types of wounds in criminal cases and discuss their medico-legal aspects.
4. Discuss the major forensic malpractice and neglecting problems in the community, and the way of dealing with them.
5. Discuss DNA fingerprinting (Techniques of DNA Fingerprinting), Application of DNA profiling and molecular techniques in forensic Medicine.

## C. Course Content

No	List of Topics	Contact Hours
1	Introduction to forensic medicine and ethics/professionalism in forensic medicine (LECTURE)	1
3	Post mortem changes I(LECTURE)	1
4	Post mortem changes I (PRACTICAL)	1
5	Post mortem changes II(LECTURE)	2
6	Post mortem changes II (PRACTICAL)	2
9	Violent asphyxia (PRACTICAL)	2
10	Wounds and their interpretation I(LECTURE)	1
11	Wounds and their interpretation I(PRACTICAL)	2
14	Gunshot wounds (PRACTICAL)	2
15	Head injuries (LECTURE)	1
16	Head injuries (PRACTICAL)	2
17	Sudden infant death syndrome (PRACTICAL)	2
18	Child Abuse (SEMINAR)	2
19	Sexual Offences (LECTURE)	1
21	Forensic DNA Technology (PRACTICAL)	2
23	Medico-legal aspects of pregnancy, delivery and abortion (LECTURE)	1
25	Forensic Identification (PRACTICAL)	2
26	Forensic Identification (PRACTICAL)	2
28	legal responsibilities of doctors working in hospitals and suspecting and reporting a Medico legal case (PRACTICAL)	2
29	Medical Negligence and Malpractice (SEMINAR)	2
31	General Toxicology (LECTURE)	1
33	Hair and Fibers and their medico-legal importance (lecture)	2
34	Drug abuse (LECTURE)	1
35	Drug abuse (PRACTICAL)	2
36	Animal poisons, snake bite, scorpion bite, wasp, bee & toxic fishes (SEMINAR)	2
37	Lead, salicylates, iron mercury, phosphorus and cyanide poisoning (LECTURE)	1
39	Nanotoxicology (PRACTICAL)	2
40	Ethanol, methanol and Ethylene glycol toxicity (LECTURE)	1

42	Food poisoning (LECTURE)	1
44	Toxicity of corrosive Inorganic Acids and alkalis (PRACTICAL)	2
<b>Total</b>		48

#### D. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Seminars	continuous	10%
2	Mid-term exam	7-8th	30%
3	Final practical exam (OSPE)	13th	20%
4	Final course exam (A-type MCQs)	13th	40%

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

#### E. Learning Resources and Facilities

<b>Required Textbooks</b>	<u>Jason Payne-James, Richard Jones, Steven B Karch and John Manlove: Simposon's Forensic Medicine: 13th Edition, A Hodder Arnold Publication, 2011. ISBN-13: 978 0 340 986 035</u>
<b>Essential References Materials</b>	List Essential References Materials (Journals, Reports, etc.) 1. Jay Dix. Color Atlas of Forensic Pathology. CRC Press. Boca Raton, 2000. ISBN: 9780849302787 2. Vincent JM. Di Maio, Dominick J. Di Maio. Forensic Pathology: 2nd Edition, CRC Press, 2001. ISBN 084930072X 3. Goordon L, Shapiro HA, Berson SD. Forensic Medicine. A guide to principles: 3rd Edition, .Churchill Livingstone 1988. ISBN-10: 0443034400
<b>Electronic Materials</b>	- <a href="http://www.anwarica.com/dr/forensic_medicine">www.anwarica.com/dr/forensic_medicine</a> - Saudi Digital Library ( <a href="https://sdl.edu.sa">https://sdl.edu.sa</a> ) <a href="http://www.adameducation.com/interactive-physiology">http://www.adameducation.com/interactive-physiology</a>
<b>Other Learning Materials</b>	

#### 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	Lecture rooms. Laboratories
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	Computers, projectors (multimedia)
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Forensic museum gross specimens, microscopes, illustrating microscope slides, illustrating boosters, ...etc.

## F. Specification Approval Data

<b>Council / Committee</b>	PATHOLOGY DEPARTEMNT
<b>Reference No.</b>	4/3/44
<b>Date</b>	07/03/1444

Course coordinator

Dr. Aboubida B.M



Head of Pathology Department

Dr. Soliman Alsaiari

