

## Course Syllabus of Forensic Medicine

**Faculty:** Faculty of Medicine and Health Sciences

**Department:** Medicine

**Program:** Bachelor of Medicine and Surgery

I. General information about the course instructor :							
Name	Prof.Nabil Al-Hamadi	Office Hours(3 Hours Weekly )					
Location & phone number	777732171	Sat	Sun	Mon	Tue	Wed	Thu
Email	nblhamadi@yahoo.com	√					

II. General information about the course:							
1	Course Title:	Forensic Medicine					
2	Course Code and Number	BMD35					
3	Credit Hours:	Lecture	Seminar/Tutoria 1	Practical	Clinical	Training	Total
		3	-	-	2	-	5
4	Study Level and Semester:	5th year /1st semesters					
5	Pre-requisites :	System blocks in the 2nd ,3rd & 4th years					
6	Co-requisites:	None					
7	Program in which the course is offered:	Bachelor of medicine and Surgery					
8	Teaching Language:	English					
9	Instruction location:	University of Science and Technology, Sana'a					

### III. Course Description:

This course offered to fifth year medical students as a theoretical course in Forensic medicine and toxicology. During which students are being exposed to a general knowledge of different injuries, the method to examine and record injuries and consequently being able to write a proper medico-legal report to be informative and easily understood by legal authorities additionally common toxicological problems are presented to students to direct their knowledge towards the sources, mode of poisoning, clinical picture and treatment of poisoning.

### IV. Course Aims:

The course aims to:-

- 1- Provide students with an acceptable knowledge in the forensic medical sciences
- 2- acquire students the ability to diagnose types of trauma, emergency measures and treatment of common cases of poisoning.
- 3-Enable students to get the skill of writing a medico-legal report

### V. Course Intended Learning Outcomes (CILOs) :

By the end of this course, students should be able to:

1. Describe and relate different types of injuries and poisons according to the symptoms they cause depending on group classification.
2. Discuss the most important investigations to be done and biological materials collection (urine, blood, hair, semen, body secretions and body remnants) & the mechanism of trauma either suicidal, homicidal or accidental.
3. Differentiate between the most important symptoms and signs of poisoning and types of trauma and relate them to the causative agent/s.
4. Perform and document an accurate medical history and perform complete organ system and mental examination to evaluate the severity of trauma and poisoning
- 5 . Develop appropriate management plans for diagnosis of trauma, treating poisons and emergency measures to be followed.
6. Communicate verbally and non-verbally effectively to save patient's life, be kindly and humanly with victims or patients and concerned relatives regardless of the mode of trauma or poisoning.

### VI. Course Contents

First: Theoretical Aspect of: I. Forensic Medicine & II. Toxicology

No.	Course	Sub-topics		
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	Topics/Units		No. of Weeks	Contact Hours
1	<u>I. Forensic Medicine:</u>	History of Forensic medicine& Toxicology	1	1
		Death (Definition, signs(immediate, early and late signs)	2	4
		Wounds : -Classification, medico-legal importance of abrasions & bruises	1	2
		-Stab wounds, incised and lacerated wounds, ---Complications and causes of death from wounds	1	3
		-Firearm wounds(inlets and outlets and distant of firing	1	3
		Burns and scalds	1	2
		Head injuries	1	3
		Lightening, heat and cold injuries	1	2
		Estimation of age of injuries	1	2
		Relation between injury, disease and death	1	2
		Mechanical asphyxia	1	3
		Sudden natural death	1	2
		Sexual assaults	1	3
		Identification	1	3
		DNA	1	2
		Child abuse	1	2
		Infanticide	1	1
		Death during and after surgical operations	1	2
		Road traffic accidents	1	2

<b>Total</b>				44
<b>2</b>	<b>II. Toxicology:</b>	Introduction to Occupational Environmental & Medical Toxicology (Definitions, types & mode of poisoning)	1	2
		General diagnosis of poisoning(Clinical & laboratory approach)	2	2
		General treatment of poisoning (ABC, decontamination & antidotes)	1	1
		Corrosive poisons (Household acids and alkalis)	2	2
		Metallic poisons (Toxicology of heavy metals)	2	2
		Non metallic poisons (Insecticides, rodenticides and biocides)	2	2
		Analgesics (Non-steroidal anti-inflammatory drugs)	1	1
		Hypnotics (Barbiturates & benzodiazepines)	1	1
		Narcotics (Opium, opiates & drug addiction)	1	1
		Stimulants (Amphetamine&khat)	1	2
		Volatile poisons (Alcohols, CO, Petroleum distillates)	1	2
		Animal Envenomation (Snakes, scorpions, insects & rabies)	1	2
<b>Total</b>				<b>20</b>