

STUDY GUIDE

Forensic Medicine

1200402



Course coordination

Male and Female section

Dr. Ekramy Elmosry (Ekramy.elmosry@nbu.edu.sa)



Course Identification

1. Credit hours	2
2. Level/year at which this course is offered	7 or 8 (4 th year)
3. Pre-requisites for this course	Pass 3 rd year

Course committee members

Pathology department Council

Actual Learning Hours

No	Activity	Learning Hours
Contact Hours		
1	Lecture	23
2	Laboratory	3
3	Tutorial	
4	PBL	
	Total	26
Other Learning Hours*		
1	Study	44
2	Assignments	
3	Library	10
4	Projects/Research Essays/Theses	
5	Others (specify)	
	Total	80

Course Objectives and Learning Outcomes

1. Course Description

Course is given to Students at semester 1 &2 in 4th year and involves study of Different Types of Physical and Toxic-chemical Injuries and their interpretation in the context of Homicide, Suicide or Accidents as Causes of Deaths. Emphasis is paid to Medico legal aspects of Asphyxia and Sexual Offences. Effort is Made for the Student to Understand and recognize different Post Mortem Pathological Changes which helps in Preparation of Autopsy report. Finally, Knowledge of Different Forensic Science and forensic Toxicology Laboratory Techniques is imparted to Students for solving cases related to Identification and Paternity

2. Course Main Objective

What is the main purpose for this course?

By the end of this course the student will be able to:

1. Outline the Basics of Forensic Pathology and Sciences to become Future General Practitioner
2. Recognize the Basic Skills of Dealing with Forensic Cases in Their Future Careers
3. Judge the Major problems in the Community with Regards to Forensic Medicine
4. Interpretate the circumstances related to the Medico-Legal cases
5. Construct Primary Medico-legal wounds reports and Death Certificate

Course Learning Outcomes (Copy and paste the table from courses specification)

CLOs		Aligned-PLOs
1	Knowledge and understanding:	
1.1	Understand the role of the physicians in the diagnosis of death and cases with medico-legal issues.	K1
2	Skills :	
2.1	Apply critical thinking and problem-solving skills in the medico-legal and toxicological problems	S1
2.2	Identify the specimen, radiological images, and digital image.	S3
2.3	Operate written communication properly in the primary medico-legal report, death certificate and assignment	S5
3	Values:	
1	Operate self-learning from updated medical information from different approved sources in the web.	V2

Course Content

No	List of Topics	Contact Hours
Lectures		
1.	Death & Post mortem changes and brain death (I)	1
2.	Death & Post mortem changes and brain death (II)	1
3.	Medico legal importance of wounds (I)	1
4.	Medico legal importance of wounds (II)	1
5.	Head Injuries (I)	1
6.	Head injuries (II)	1
7.	Firearm weapons	1
8.	Firearm Injuries	1
9.	Physical injuries	1
10.	Asphyxia (I)	1
11.	Asphyxia (II)	1

12.	Sexual Offences (I)	1
13.	Sexual Offences (II)	1
14.	Virginity	
15.	Identification (I)	1
16.	Identification (II)	1
17.	General Toxicology (I)	1
18.	General Toxicology (II)	1
19.	Alcohols toxicity (I)	1
20.	Volatile and Noxious Gases (II)	1
21.	Toxic snakes bites	1
22.	Traffic medicine	1
23.	Child abuse	1
Practical		
1.	Spot diagnosis (I)	0.5
2.	Spot diagnosis (1)	0.5
3.	Primary medico legal wound reports (1)	0.5
4.	Primary medico legal wound reports (2)	0.5
5.	Forensic radiology (age estimation)	0.5
6.	Death certificates	0.5
Total		26

Teaching strategies and Assessment Methods for Students

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding		
1.1	Define the role of the physicians in the diagnosis of death and cases with medico-legal issues.	Interactive instruction (Flipped classroom)	- Witten exam
2.0	Skills :		
2.1	Apply critical thinking and problem-solving skills in the medicolegal and toxicological problems	Interactive instruction (Flipped classroom)	- Witten exam
2.1	Identify the specimen, radiological images, digital image.	Lab. Based teaching strategies (demonstration, direct instruction, cooperative)	OSPE
2.1	Operate written communication properly in the primary medico-legal report, death certificate and assignment	Lab. Based teaching strategies (demonstration, direct instruction, cooperative)	OSPE
3	Values		
1	Operate self-learning from updated medical information from different approved sources in the web.	SDL (assignment)	Assignment checklist

Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	MCQ (Final)	15	40%
2	Practical exam (Final)	15	20%
3	Quiz	10	30%
4	Assignments	14	10%

Learning Resources

Required Textbooks	Knight's Forensic pathology By: Bernard Knight, eleventh edition. (2004)
Essential References Materials	Egyptian Journal of Forensic Sciences Open Access European Journal of Forensic Sciences
Electronic Materials	www. Forensic medicine for medical students www. Internet pathology laboratory for medical education.com
Others	Interactive virtual autopsy web site: https://www.le.ac.uk/pa/teach/va/titlpag1.html

Course blueprint



Forensic Medicine (1200402)

Topics	Teaching methods	Assessment Method	Knowledge			Skill			Competency			% of total teaching hours	Marks
			K1			S1	S2	S3	C1				
Death & Post mortem changes	Lecture	Written exam	√			√						7	6-8
Medico legal importance of wounds	Lecture	Written exam	√			√						7	6-8
Head Injuries	Lecture	Written exam	√			√						7	6-8
Firearm weapons	Lecture	Written exam	√			√						7	6-8
Physical injuries	Lecture	Written exam	√			√						3	2-5
Asphyxia	Lecture	Written exam	√			√						7	6-8
Sexual Offences & virginity	Lecture	Written exam	√			√						7	6-8
Identification	Lecture	Written exam	√			√						7	6-8
General Toxicology	Lecture	Written exam	√			√						7	6-8
Volatile and Gases	Lecture	Written exam	√			√						3	2-5
Toxic snakes bites	Lecture	Written exam	√			√						3	2-5
Traffic medicine	Lecture	Written exam	√			√						3	2-5
Child abuse	Lecture	Written exam	√			√						3	2-5
Practical													
Spot diagnosis	Laboratory based	OSPE				√	√					13	12-16
Primary medico legal wound	Laboratory based	OSPE						√				3	2-5
Death certificates	Laboratory based	OSPE						√				3	2-5
Assignment	SDL	Assignment checklist						√	√			10	10

Related check lists

Assignment

Parameter	Marks
Content	6
Styling and formatting	4

Course quality evaluation

After the end of the course, please give your **FEEDBACK** through the following QR code:

