Course Syllabus of Toxicology

Faculty: Medicine and Health Sciences
Department: Health Sciences
Program: Bachelor in Medical laboratory

I. General information about the course instructor :							
Name	Dr. Nabil Al-Hamadi	Office Hours(3 Hours Weekly)					
Location & phone number	Sana'a 777732171	Sat	Sun	Mon	Tue	Wed	Thu
Email	nalhamadi@hotmail.com	1	1	-	-	-	1

II. General information about the course:						
1.	Course Title:	Toxicology				
2.	Course Code and Number :	BML352				
3.	Credit Hours :	Lecture	Seminar/Tutorial	Practical	Training	Total
		2	-	-	-	2
4.	Study Level and Semester:	3rd year/ 1st semesters				
5.	Pre-requisites:	None				
6.	Co-requisites:	None				
7.	Program in which the course is offered	Bachelor in Medical Laboratory				
8.	Teaching Language:	English				
9.	Instruction location:	University of Science and Technology, Sana'a ,Yemen				

III. Course Description:

This course is concerned with the essential knowledge about common causes and sources of poisoning, particularly household poisons, metallic poisoning, insecticides, volatile poisons, animal envenomation and common poisoning by household drugs. This course should enable students to apply their practical skills for analyzing commonly used poisons particularly life-threatening cases.
The teaching strategies will include lectures, group working, laboratory visit, and assignment. The students will be evaluated through written exam, reports and evaluation of assignment.

عميد الكلية:
د. عبد الله الخلافي

رئيس القسم:
د. عبد الحبيب القباطي

المراجع :
د. مجاهد نصار
د. حمود الحبابي

الموصف : أ. د نبيل الحمادي

IV. Course Aims: This course is aimed to:

1. Provides the students with the definitions, types & mode of poisoning.
2. Enable the students to identify the common sources and causes of poisoning.
3. Learn the students about emergency measures and treatment of common cases of poisoning
4. Learn the students the different analytical methods of analyzing different poisons particularly those of medical importance and those in common use.
5. Make the students aware about occupational & environmental poisoning.

V. Course Intended Learning Outcomes (CILOs):

1. Define and list types & mode of poisoning.
2. Identify the common sources and causes of poisoning.
3. Outline occupational & environmental poisoning.
4. Integrate the lab result with the clinical picture of poisoning.
5. Explain the different causes of poisoning.
6. Use different methods to diagnosis of different types of poisoning.
7. Work independently or as a team member and effectively communicate with the teaching staff and colleagues to identify, analyze and understand emerging issues.

VI. Course Contents:

Training Aspect:

No.	Course Units	Sub-topics	Week due	Contact Hours
1.	Introduction to toxicology	Definitions, types & mode of poisoning	1st	2
2.	General diagnosis of poisoning	Clinical & lab approach	2nd	2
3.	Corrosive poisons	Household acids & alkalis	3rd	2
4.	Metallic poisons	Toxicology of heavy metals	4th	2
5.	Nonmetallic poisons	Insecticides, rodenticides & biocides	5th	2
6.	Analgesics	Non-steroidal anti-inflammatory drugs	6th	2
7.	Midterm exam		7th	2
8.	Narcotics & Hypnotics	Opium & it's derivatives, barbiturates, benzodiazepines & antidepressants	8th	2
9.	Stimulants & hallucinogens	Amphetamine, Khat & Hashish	9th	2
10.	Volatile poisons	Alcohols, C.O, Petroleum distillates	10th	2
11.	Animal envenomation	Snakes ,scorpions , bees & spiders	11th	2
12.	Harmful effects of drugs on organs	CNS, CVS & Renal toxicants	12th	2
13	Occupational & Environmental toxicology	An introduction	13th	2
14	Final Term Exam		14th	2
	Total number of weeks and hours		14	28

المراجع :
د. مجاهد نصار
د. حمود الحبابي

الموصف : أ. د نبيل الحمادي