

جامعة الزيتونية الأردنية

Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy **QF02/0408-1.0**

Department

Pharmacy

Course Name	Clinical Toxicology	Course No.	201553
Prerequisite	(201434) Toxicology	Credit Hours	3
Number & date of		Brief Description	See form
course plan approval		Biter Description	QF02/0409

	At the end of this course, the student should be able to:		
	1. know mechanisms of toxicity for common drugs, chemicals and household		
Intended	products in humans		
Learning	2. know the mechanism of action of poison treatments.		
Outcomes	3. differentiate poisonings by clin	1	
	4. select appropriate laboratory te	sts to determine the	identity and severity of
	poisoning.		
	5. properly counsel patients in order to prevent poisoning.		
	1. The Pharmacology of Human Poisonings		
	2. The General Management of the	e Poisoned Patient	
Course	3. Antidotes		
Topics	4. Reproductive and Perinatal Toxicology		
-	5. The clinical basis of drug toxicity		
	6. The clinical basis of plant toxicity		
	7.The clinical basis of radiation toxicity		
	Goldfrank's Toxicologic Emergencies, 8th Edition / Editors: Flomenbaum, Neal E.; Goldfrank, Lewis R.; Hoffman, Robert S.; Howland, Mary Ann; Lewin, Neal A.; Nelson, Lewis S. / 2006 McGraw-Hill		
Text Books			
	Color Atlas of Human Poisoning		ished in 2006 by
References	eferences CRC Press Taylor & Francis Group		
Π	1^{st} Exam = 25%		Course Work = 50%
Grade	2^{nd} Exam = 25%	Practical Course	(Reports, Term Papers, Quizes)
Determination	Final Exam = 50%	Grade	Final Exam = 50%
	1	Determination	1



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1	Course Outline			
Week	Hours	Subjects	Chapters in	Notes
week	Hours	Subjects	Textbook	INOLES
		The Pharmacology of Human Poisonings:		
	1	-Definitions		
1	1	-Absorption,Distribution, Metabolism, & Excretion	9	
	1	-Poisoning in the elderly &Poisoning in		
	1	children		
		The General Managementof the Poisoned		
		Patient:		
2	1	-Preventing GI absorption of the toxin	4	
	1	-Preventing GI absorption of the toxin		
	1	-Enhancing elimination of the toxin		
		Physical, Diagnostic, and Laboratory Evaluation of the Poisoned Patient		
3	1	-Physical assessment of the poisoned patient	6	
5	1	-Laboratory assessment of the poisoned patient	0	
	1	-Radiographic evaluation		
		Antidotes		
	1	-Toxidromes and antidotes		
4	1	-Specific antidotes, Nonspecific antidotes,	8	
	1	Metal chelators -Antivenins and antitoxins,Specific antagonists,		
	1	Vitamins		
		Poisonings with Over-the-Counter and Opioid		
		Analgesics:		
5	1	-Acetaminophen (APAP) vs. aspirin (ASA)	34 - 38	
	1	-Nonsteroidal anti-inflammatorydrugs		
	1	-Opioids		
		Poisonings with Pharmaceutical Additives:		
6	1	-Glycols, Benzyl alcohol, Phenol	53	
0	1	- Bromides, Chlorobutanol, Thimerosal	55	
	1	-Benzalkoniumchloride, Parabens		
		Poisonings with Vitamins, Minerals, Herbal Agents:		
	1	-Toxicology of herbal poisonings		
7	1	-Toxicology of fat soluble vitamin poisonings	39, 41, 43	
	1	-Toxicology of water soluble vitamin		
		poisonings		
		Reproductive and Perinatal Toxicology:		
0	1	-Toxins affecting fertility, potency, gestation	20	
8	1 1	-Specific poisonings in pregnancy	30	
	1	-Substance abuse in pregnancy		

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		Poisonings with Analgesic Adjuvants,	
9		Psychotropics, Sedative-Hypnotics:	
	1	-Caffeine,Ergotamines,Cyclic antidepressants	47,68,69
	1	-Monoamine oxidase inhibitors, Neuroleptics	
	1	-LithiumAnticonvulsants, Sedative-hypnotics	
		Poisonings with Illicit Substances:	
10	1	-Cocaine	72 74
10	1	-Amphetamines, Phencyclidine (PCP)	73, 74
	1	-Lysergic acid diethylamide (LSD), Marijuana	
		Poisonings with Cardiovascular Medications:	
	1	-Cardiac glycosides	
11	1	-Beta-blockers, Calcium channel blockers	58, 59
	1	-Sympatholytics, Diuretics, Vasodilators,	
		Angiotensin blockers	
		Poisonings with Commonly Prescribed Drugs:	
10	1	-Antibiotics	54 40 50
12	1	-Hypoglycemics	54, 48, 52
	1	-Cancer Chemotherapeutics	
	_	Food Poisonings	
	1	-Introduction, Clinical manifestations,	
13		Etiologic agents	45
	1	-Bacterial diseases	
	1	-Viral diseases, Protozoal diseases	
	-	Mushroom Poisonings	
	1	-Cyclopeptide-containing mushrooms,	
		Monomethylhydrazine-containing mushrooms,	
		Muscarine-containing mushrooms	
	1	-Coprine-containing mushrooms,Ibotenic acid–	
14		muscimol-containing mushrooms, Psilocybin-	114
		containing mushrooms	
	1	-Orellanine-containing mushrooms,	
	1	Miscellaneous gastrointestinal toxin-containing	
		mushrooms	
		Poisonous Plants:	
15	1	-Cardiovascular toxicity, Neurotoxicity group	
	1	-Cardiovascular toxicity, rediotoxicity group -Hepatotoxicity group, Cyanogenic group	114
	1		114
		-Gastrointestinal toxicity, Dermatotoxicity	
<u> </u>		group Rediction Toxicology:	
	1	Radiation Toxicology:	
	1	-Types of radiation, Units of measure, Sources	
16	1	- Preparing for arrival of victims, Diagnosis,	128
	1	External & Internal contamination	
	1	-Whole body radiation/acute radiation	
		syndrome (ARS)	



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Approved by Dept. Chair	Date of Approval	

Extra Information: (Updated every semester and filled by course instructor)

Course Instructor	Dr. Suhair Hikmat
Office No.	
Extension	
Email	
Office hours	