



Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy	QF02/0408–2.1E
--	----------------

Department	Pharmacy
------------	----------

Course Name	Toxicology Lab	Course No.	٢٠١٤٣٥
Prerequisite	Pharmacology Lab (201432)	Credit Hours	١
Number & date of course plan approval		Brief Description	See form QF02/0409

Course Objective	<ol style="list-style-type: none"> 1. Study the toxic effects on laboratory animals for different toxic substances including drugs and non-drugs. 2. Study methods for identification of poisons. 3. Study the methods to decrease absorption of the poisons and methods to increase their excretion 		
Intended Learning Outcomes	<p>Following the attendance of this laboratory the student should be able to</p> <ol style="list-style-type: none"> 1. Understand some methods to identify different poisons 2. Recognize the symptoms of poisoning in animals 3. Gain the knowledge for the different procedures to eliminate the toxic effects 		
Course Topics	<ol style="list-style-type: none"> 1. animal handling 2. calculation of toxic dose 3. acute toxicity study and median lethal dose determination 3. toxic effect of certain chemicals on animals 4. screening tests 		
Text Books	Accompanying laboratory manual.		
References	Casarett and Doull's Toxicology the basic science of poisons Seventh Edition, 2008, Curtis D. Klaassen		
Grade Determination	Practical Course Grade Determination	Course Work = 50% (Reports, Term Papers, Quizzes) Final Exam = 50%	

Course Outline				
Week	Hours	Subjects	Chapters in Textbook	Notes
1	1	General instructions Introduction		
2		The normal characteristics of animal	Experiment 1	
3	1	Dose Calculations	Experiment 2	
4	1	Determination of LD50	Experiment 3	
5	1	Toxicity of CNS stimulants	Experiment 4	
6	1	Toxicity of CNS depressants	Experiment 5	
7	1	Toxicity of Cyanide	Experiment 6	
8	1	Corrosives & Irritants	Experiment 7	
9		Corrosives & Irritants / Unknown		
10	1	Toxicological analysis / Screening tests	Experiment 8	
11	1	Toxicological analysis / Screening tests Unknown		
12	1	Hemolytic Agents	Experiment 9	
13	1	Toxicity of organophosphate		
14	1	Tutorial		

Approved by Dept. Chair		Date of Approval	1/2/2017
-------------------------	--	------------------	----------

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

Course Instructor	Dr. Suhair Hikmat
Office No.	
Extension	306
Email	Suhair.jasim@zuj.edu.jo
Office hours	