



Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy

QF02/0408–1.0

Department	Pharmacy
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Course Name	Toxicology Lab	Course No.	201435
Prerequisite	(201432) Pharmacology Lab	Credit Hours	1
Number & date of course plan approval		Brief Description	See form QF02/0409

Intended Learning Outcomes	Following the attendance of this laboratory the student should be able to 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		
Course Topics	1. animal handling and calculation of toxic dose 2. acute toxicity study and median lethal dose determination 3. toxic effect of chemicals acting on CNS 4. toxic effect of cyanide 5. toxicity of corrosives 6. 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	1 st Exam = 25% 2 nd Exam = 25% Final Exam = 50%	Practical Course Grade Determination	Course Work = 50% (Reports, Term Papers, Quizes) Final Exam = 50%



Course Outline

Week	Hours	Subjects	Chapters in Textbook	Notes
1	1	General instructions The normal characteristics of animal	Experiment 1	
2	1	Dose Calculations	Experiment 2	
3	1	Determination of LD50	Experiment 3	
4	1	Toxicity of CNS stimulants	Experiment 4	
5	1	Toxicity of CNS depressants	Experiment 5	
6	1	Toxicity of Cyanide	Experiment 6	
7	1	Tutorial		
8	1	Clinical strategy for treatment of the poisoned Patient	Experiment 7	
9	1	Clinical strategy for treatment of the poisoned Patient	Experiment 7	
10	1	Corrosives & Irritants	Experiment 8	
11	1	Corrosives & Irritants / Unknown	Experiment 8	
12	1	Toxicological analysis / Screening tests	Experiment 9	
13	1	Toxicological analysis / Screening tests Unknown	Experiment 9	
14	1	Hemolytic Agents	Experiment 10	
15	1	Tutorial		
16	1	Determination of acetaminophen level in blood	Experiment 11	

Approved by Dept. Chair		Date of Approval	
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Extra Information: (Updated every semester and filled by course instructor)

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