



كلية الصيدلة جامعة الزيتونة الأردنية
Faculty of Pharmacy
Al-Zaytoonah University of Jordan

" نحو تعليم صيدلاني متميز "
Toward Excellence in Pharmaceutical
Education

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Al-Zaytoonah University of Jordan
كلية الصيدلة
Faculty of Pharmacy



" Tradition and Quality "

Detailed Course Description - Course Plan Development and Updating Procedures/ Pharmacy Department	QF02/0408-3.0E
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Faculty	Pharmacy	Department	Pharmacy
Course number	201435	Course title	Toxicology Lab
Number of credit hours	1	Pre-requisite/co-requisite	0201432 / 0201434

Brief course description

The course covers experiments on animals for drug overdose to see the symptoms of toxicity, and it also covers experiments of simple color tests for toxicological screening.

	Course goals and learning outcomes
Goal 1	Understanding the toxic effects on laboratory animals for different toxic substances including drugs and non-drugs.
Learning outcomes	1.1 Recognize the symptoms of poisoning in animals
Goal 2	Describe methods for identification of poisons.
Learning outcomes	2.1 Understand some screening methods to identify different poisons
Goal 3	Be familiar with the methods of decontamination and treatment
Learning outcomes	3.1 Gain the knowledge for the different procedures to eliminate the toxic effects 3.2 Gain the knowledge for using the antidotal therapy
Textbook	Accompanying laboratory manual.
Supplementary references	1.- Casarett and Doull's essentials of Toxicology, 3 rd edition, 2015, Curtis D. Klaassen and John B. Watkins III



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Course timeline				
Week	Number of hours	Course topics	chapter (textbook)	Notes
1	1	General instructions Introduction		
2	1	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	Experiment 10	
14	1	Tutorial		
15	2	Final Exam		

		Practical (clinical) course evaluation methods	Semester students' work = 50% (Reports, research, quizzes, etc.) Final exam = 50%
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Approved by head of department		Date of approval	
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Extra information (to be updated every semester by corresponding faculty member)

Name of teacher	Dr. Suhair Hikmat	Office Number	217
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Office hours			