



كلية الصيدلة - جامعة الزيتونة الأردنية
Faculty of Pharmacy
Al-Zaytoonah University of Jordan
" نحو تعليم صيدلاني متميز "

Toward Excellence in Pharmaceutical
Education

جامعة الزيتونة الأردنية
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	201322	Course title	Pharmaceutics Lab
Number of credit hours	1	Pre-requisite/co-requisite	Pharmaceutics 2

Brief course description

This course aims to provide students with information and skills required in the formulation of various dosage forms. Also, this course aims to enable the students to acquire the necessary skills in employing different preparation techniques and proper storage conditions.

يهدف هذا المساق لتزويد الطلبة بالمهارات المناسبة لتحضير وتركيب الأشكال الصيدلانية المختلفة وأيضا تزويد الضرورية لطرق حفظ الدواء.

Course goals and learning outcomes	
Goal 1	Training the students on acquiring the proper skills in preparation of various dosage forms
Learning outcomes	1.1. Students should be able to prepare –skillfully- various dosage forms according to the instructions they learn from the lab.
Goal 2	Acquiring the required knowledge regarding packaging and storage of various pharmaceutical dosage forms
Learning outcomes	Students should be able to 2.1. Select suitable package for various pharmaceutical dosage form 2.2. Decide proper storage conditions
Goal 3	Acquiring the proper skills in dispensing and patient education
Learning outcomes	Students should be able to: 3.1. Write a clear concise labelling including instructions, precautions, frequency of dosing and advice. 3.2. Educate patients adequately about their drug, clarifying storage conditions, proper use of medicines, frequency of dosing, refilling... etc.
Textbook	1. Martin's Physical Pharmacy and Pharmaceutical sciences, 6 th Ed., Patrick J. Sinko, 2010. 2. Remingtons The science and practice of pharmacy, 21 st Ed., 2006 3. Pharmaceutical Practice by A. J. Winfield and R.M. Richards, 3 rd Ed., 2004
Supplementary references	1. The Theory and Practice of Industrial Pharmacy, by: Leon Lachman, Herbert A. Lieberman and Hoseph L. Kanig. Third Edition. 1986. 2. United States Pharmacopiea, 2010.



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3. British Pharmacopiea, 2010.

Course timeline

Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1	Introduction		
02	1	Solution Dosage Form		
03	1	Syrups, Elixirs and Spirits		
04	1	Suspensions		
05	1	Emulsions		
06	1	Semi-solid dosage forms (Ointments)		
07	1	Semi-solid dosage forms (Creams)		
08	1	Semi-solid dosage forms(Pastes and Gels)		
09	1	Suppositories (Water Soluble Bases)		
10	1	Suppositories(Fatty Bases and Calculation of Displacement Value)		
11	1	Cosmetic Preparations		
12	1	Final exam		

Evaluation methods and weight	Report and sample preparations and Evaluation 25% Quizes 25% Final exam (written and practical)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	Rania Qirem, MSc	Office Number	306
Phone number (extension)	217	E-mail	Rania.qerem@zuj.edu.jo
Office hours			



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