



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
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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	0201329	Course title	Pharmaceutics and pharmaceutical compounding lab
Number of credit hours	1	Pre-requisite/co-requisite	Pharmaceutics and pharmaceutical calculation lab / Pharmaceutics 3

Brief course description

This course is designed to introduce the students to the processes involved in the compounding and dispensing of bench scale pharmaceutical dosage forms. Also it introduces the students to proper writing and patient education.

وصف المساق باللغة العربية

يهدف هذا المساق لتعريف الطالب بالطرق العلمية لتحضير التركيبات الصيدلانية المختلفة على مستوى مصغر (المختبر)

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. Pharmaceutics lab manual 2. Aulton's Pharmaceutics; The Design and Manufacture of Medicines, by: M. E. Aulton. Third Edition. 2013. Churchill Livingstone. 3. Modern Pharmaceutics, vol.2, Applications and advances, A.T. Florence



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	and J. Siepmann, 5th edn., 2009, Informa healthcare
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. 3. British Pharmacopiea, 2010. 4. Remingtons; Pharmaceutical Sciences, 2006.

Course timeline				
Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1	Suspensions		
02	1	Emulsions		
03	1	Ointment		
04	1	Cream		
05	1	Gel and paste		
06	1	Suppositories part 1		
07	1	Suppositories part 2		
08	1	Cosmetic preparations		
16	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	
Phone number (extension)	217	E-mail	



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Office hours	
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