



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

<b>Course Name</b>	<b>Pharmaceutics–2</b>	<b>Course No.</b>	201222
Prerequisite	201221	Credit Hours	2
Number & date of course plan approval	2011/2010	Brief Description	See form QF02/0409

<b>(Course Objectives)</b>	<ol style="list-style-type: none"> <li>1. This course provides the students with information on different dosage forms with respect to their formulation techniques, uses, storage and dispensing instructions.</li> <li>2. The information that the students will acquire from this course will enable them to differentiate one dosage form another and they will be able to compound them.</li> <li>3. At the end of this course, the students will be ready to study advanced courses in this field.</li> </ol>		
<b>Course Topics</b>	<ol style="list-style-type: none"> <li>1. This course teaches the definitions of different dosage forms.</li> <li>2. Then specifically discussing liquid and powder dosage forms with respect to their characteristics, methods of preparation, uses and advantages over other dosage forms.</li> <li>3. It provides information on the ingredients and raw materials that are involved in the specific dosage forms.</li> </ol>		
<b>Text Books</b>	R1- Pharmaceutical practice, by: A. J. Winfield and R. M. E. Richards, 3 <sup>rd</sup> edition, 2007. R2- Pharmaceutics; The Design and Manufacture of Medicines, by: M. E. Aulton. Thi 2007.		
<b>References</b>	<ol style="list-style-type: none"> <li>1. British Pharmacopeia, 2010.</li> <li>2. Remington's:- The science and practice of Pharmacy, 21<sup>st</sup> ed, 2006.</li> <li>3. Martindal Extra Pharmacopeia, 2009.</li> </ol>		
<b>Grade Determination</b>	1 <sup>st</sup> Exam=25% 2 <sup>nd</sup> 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
01	1 1	Definitions of some pharmaceutical dosage forms and drug delivery systems.	R1 (21) R2 (1)	
02	1 1	Definitions of some pharmaceutical dosage forms and	R1 (21) R2 (1)	



		drug delivery systems.		
03	1 1	Solutions: Advantages and disadvantages as dosage form, some solvents used in preparation of aqueous solutions, classifications and examples.	R1 (30) R2 (25)	
04	1 1	Solutions: Advantages and disadvantages as dosage form, some solvents used in preparation of aqueous solutions, classifications and examples.	R1 (30) R2 (25)	
05	1 1	Suspensions: Factors affecting sedimentation rate, types of thickening agents, flocculated and deflocculated suspensions, preparation and evaluation.	R1 (31) R2 (27)	
06	1 1	Suspensions: Factors affecting sedimentation rate, types of thickening agents, flocculated and deflocculated suspensions, preparation and evaluation.	R1 (31) R2 (27)	
07	1 1	Emulsions: Pharmaceutical applications, types, surfactants, methods of preparation and special problems.	R1 (31) R2 (27)	
08	1 1	Emulsions: Pharmaceutical applications, types, surfactants, methods of preparation and special problems.	R1 (31) R2 (27)	
09	1 1	Powders and granules: Advantages and disadvantages, types, special problems and effervescent granules.	R1 (35) R2 (28)	
10	1 1	Oral unit dosage forms: Tablets and capsules (soft gelatin and hard gelatin).	R1 (36) R2 (31,35)	
11	1 1	Oral unit dosage forms: Tablets and capsules (soft gelatin and hard gelatin).	R1 (36) R2 (31,35)	
12	1 1	Oral unit dosage forms: Tablets and capsules (soft gelatin and hard gelatin).	R1 (36) R2 (31,35)	
13	1 1	Packaging, storage and stability of medicine	R1 (27) R2 (42)	
14	1 1	Packaging, storage and stability of medicine	R1 (27) R2 (42)	
15	1 1	Labeling of dispensed medicines	R1 (28)	
16	1 1	Storage of medicines and waste disposal	R1 (43)	



Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy	QF02/0408–1.0
--	---------------

Approved by Dept. Chair		Date of Approval	
-------------------------	--	------------------	--

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

<b>Course Instructor</b>	
<b>Office No.</b>	
<b>Extension</b>	
<b>Email</b>	
<b>Office hours</b>	