

بامعة البلقاء التطبيقية

تأسست نماء 1997

Paramedical program				
Specialization	Pharmacy			
Course number	020805234			
Course title	Pharmaceutics 3/ practical			
Credit hours	2			
Theoretical hours	0			
Practical hours	6			

Al-Balqa' Applied University



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#### **Brief Course Description:**

It is a practical course includes preparing semi solid dosage forms such as liniments, pasts, ointments, creams, suppositories, and solid dosage forms such as dusting powders, effervescent powder, granules, and lozenges.

### **Course Objectives:**

Upon the completion of the course, the student will be able to:

1. Identify semi-solid pharmaceutical dosage forms ( types, properties, method of preparation )

- 2. prepare these dosage form in different known method
- 3. know the purpose of each additive ( content ) of the formula
- 4. know the uses of the formula
- 5. know the type of bases used in suppositories, ointments and creams
- 6. package and label the dosage form in a suitable container and use a suitable label





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# **Detailed Course Description:**

Unit number	Unit name	Unit content	Time needed	
1.	Suppositories	<ul> <li>Glycerin suppositories</li> </ul>		
2.	Pastes	<ul> <li>zinc oxide paste</li> </ul>		
3.	Ointments	<ul> <li>Zinc oxide ointment(Trituration using mortar and pestle)</li> <li>Whitfield ointment (trituration using slid and spatula)</li> <li>Simple ointment (fusion method)</li> </ul>		
4.	Creams	<ul> <li>Cream preparation ( cold cream )</li> <li>Creams (vanishing cream)</li> </ul>		
5.	Powder and Granules	<ul> <li>Preparation of dusting powder</li> <li>Preparation of effervescent powders (electrolyte mixture)</li> <li>Preparation granules of (Acetyl salicylic acid )</li> </ul>		
6.	Lozenges	<ul> <li>Preparation of gelatin lozenges</li> </ul>		



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## **Evaluation Strategies:**

Exams	Percentage	Date
Mid Exam	25%	//
Final Exam	50%	//
Technique	10%	
Homework and Projects Discussions and lecture Presentations	15%	//

## **Teaching language:**

• English

## **Teaching Methodology:**

• Laboratory

#### Text Books & References:

- 1- Pharmaceutical practice, A.J. Winfield, R.M.E. Richards, 3d. edition, 2005, Churchill Livingstone
- 2- Remington ,The science and practice of pharmacy 21st edition,2004, Lippincott William & Wilkens
- 3- British Pharmacopoeia 2008, British pharmacopoeia Commission, TSO.
- 4- The Science of dosage form design, Edin burgh, 2002, New Yourk, Churchill Livingston