

**Faculty of Pharmacy**

**Pharmaceutics II**

**Information :**

**Course Code :** PT 404

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D

**Instructor Information :**

<b>Title</b>	<b>Name</b>	<b>Office hours</b>
Associate Professor	Maha Osama Abdelaziz Mohamed Elkayal	2
Lecturer	Shymaa Hatem Abdelaziim Saleh Emara	2
Assistant Lecturer	Aya Mostafa Mahmoud Ghareeb	
Teaching Assistant	Sara Sherif Mansour Aly Abdallah	

**Description :**

This course covers the structure and function of the skin, target area of treatment after topical application to skin, basic principles of diffusion through membranes and factors affecting percutaneous absorption, enhancement of skin penetration, transdermal drug delivery systems (TDDS). It also describes the principles and techniques involved in the formulation, manufacturing and quality control tests of emulsions (oral, parenteral and topical) and traditional dermatological semisolid dosage forms (creams, ointments, gels and pastes). Formulation, manufacturing and quality control tests of different types of suppositories as molded solid preparations are also included.