

**Faculty of Pharmacy**

**Pharmaceutics II**

**Information :**

**Course Code :** PT 404

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D

**Instructor Information :**

Title	Name	Office hours
Associate Professor	Maha Osama Abdelaziz Mohamed Elkayal	2
Associate Professor	Maha Osama Abdelaziz Mohamed Elkayal	2
Lecturer	Patrick Joseph O'Dwyer	
Lecturer	Shymaa Hatem Abdelaziim Saleh Emara	2
Lecturer	Shymaa Hatem Abdelaziim Saleh Emara	2
Assistant Lecturer	Rinada Hussien Sadek Hassan	
Assistant Lecturer	Aya Mostafa Mahmoud Ghareeb	
Teaching Assistant	Sara Sherif Mansour Aly Abdallah	
Teaching Assistant	Youssef Amr Fathy Gomaa Fathallah	
Researcher	Harriet Bennett Lenane	

**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.