

**Faculty of Pharmacy**

**Pharmaceutics III**

**Information :**

**Course Code :** PT 505

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D

**Instructor Information :**

Title	Name	Office hours
Professor	Dalia Samuel Shaker Kirolos	
Professor	Mona Ebrahim Abdel Tawab Ahmed Ellassal	
Professor	Mona Ebrahim Abdel Tawab Ahmed Ellassal	
Professor	Rehab Nabil Mohamed Shamma	
Teaching Assistant	Sara Azeez Abdelhameed Ali	
Teaching Assistant	Rinada Hussien Sadek Hassan	1
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Teaching Assistant	Manar Magdy Labib Mohamed Essa	
Teaching Assistant	Reem Khaled Mohamed Ibrahim Wassif	
Teaching Assistant	DAHAB ABDELAZIZ MOHAMED ALI ELAWADY	1

**Description :**

The course introduces the students to the kinetics of drug degradation including rate and order of the reaction, factors affecting reaction kinetics, determination of the half-life, expiration date by different methods, prediction of product shelf-life, stability studies, degradation pathways and how to protect drugs in different pharmaceutical dosage forms. This course is also designed to provide the student with adequate knowledge on sterile dosage forms including parenterals and ophthalmic preparations, regarding principles of formulation, development, sterilization, packaging and quality control testing Principles for calculation and manipulation of parenterals, ophthalmic preparations, vaccines and blood products are emphasized.