

**Faculty of Pharmacy**

**Biopharmaceutics and Pharmacokinetics**

**Information :**

**Course Code :** PT 707

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Pharm D

**Instructor Information :**

Title	Name	Office hours
Professor	Ehab Rasmy Bendas Wasef	1
Associate Professor	NADA MOHAMED ALI ANWAR MOHAMED ELHOFFY	5
Associate Professor	NADA MOHAMED ALI ANWAR MOHAMED ELHOFFY	5
Associate Professor	Maha Osama Abdelaziz Mohamed Elkayal	
Lecturer	Aya Hussein Sayed Metwally Hassanein	
Lecturer	Enas EIMaghawry Ibrahim Said	
Assistant Lecturer	Reem Khaled Mohamed Ibrahim Wassif	
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**Area Of Study :**

This course aims to provide students with an understanding of the relation between the physicochemical properties of the drug and its fate in the body. The course explores the principles of biopharmaceutics and strategies for enhancing bioavailability. Students will also be introduced to the principles of pharmacokinetics (absorption, distribution, metabolism and elimination). The concepts of bioequivalence, biowaivers and in vitro-in vivo correlations (IVIVC's) will be discussed along with different models of drug disposition. The course prepares students for their evolving role in utilizing pharmacokinetics to guide formulation, dosage-regimen design and optimizing drug usage.

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