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
Professor	Nermeen Adel Ahmed Mohamed	1
Lecturer	Maha Osama Abdelaziz Mohamed Elkayal	
Assistant Lecturer	Rinada Hussien Sadek Hassan	
Assistant Lecturer	MANAR MAGDY LABIB MOHAMED ESSA	
Assistant Lecturer	Aya Hussein Sayed Metwally Hassanein	
Assistant Lecturer	Yasmin Ahmed Emam El Tellawy	
Teaching Assistant	Sara Azeez Abdelhameed Ali	
Teaching Assistant	Youssef Amr Fathy Gomaa Fathallah	
Teaching Assistant	Sara Sherif Mansour Aly Abdallah	

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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