

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	
Professor	Nermeen Adel Ahmed Mohamed	
Associate Professor	AMIRA MOHSEN ABDELKADER GHONEIM	
Lecturer	Enas EIMaghawry Ibrahim Said	
Lecturer	MOHAMED AHMED EMAD ABDELLATIF ELGENDY	
Assistant Lecturer	Manar Magdy Labib Mohamed Essa	
Assistant Lecturer	Aya Hussein Sayed Metwally Hassanein	
Teaching Assistant	AHMED ABDELAZEEM NASRELDEEN MOHAMED ZAGHLOL	

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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Books :

Book	Author	Publisher
Computational Pharmaceutics (E-book)	Defang Ouyang	John Wiley & Sons, Ltd.
Principles and Practice of Pharmaceutical Medicine, Second Edition (E-book)	Dr. Lionel D. Edwards MB	John Wiley & Sons, Ltd