Course Syllabus

Code - Course Title	**BFK501 - Biopharmaceutics**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. MUSTAFA SİNAN KAYNAK

Mode of Delivery	The mode of delivery of this course is face to face.
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	1. Dressman J.B., Reppas C. Oral Drug Absorption: Prediction and Assessment, Second Edition, CRC Press Florida, USA, 2010.2. Biopharmaceutics: From Fundamentals to Industrial Practice. Hannah Batchelor (Editor) ISBN: 978-1-119-67828-1
Work Placement	Practical training is not required for this programme.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to biopharmaceutics and basic definitions	
Week - 2		Fundamentals and definitions of pharmacokinetics	
Week - 3		Basic metrics related to biopharmaceutical	
Week - 4		From the biopharmaceutical perspective; solubility	
Week - 5		From the biopharmaceutical perspective; permeability	
Week - 6		From the biopharmaceutical perspective; dissolution	
Week - 7		Impact of anatomy and physiology - I	
Week - 8		Impact of anatomy and physiology - II	
Week - 9		The role of biopharmaceutics in candidate drug selection and optimization	
Week - 10		Biopharmaceutics in formulation design	
Week - 11		Biopharmaceutical classification system; definitions and guidelines	
Week - 12		Biopharmaceutical classification system applications	
Week - 13		Biopharmaceutics for inhalation products	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Discussion, questions and answers	

Learning Outcomes

#	Learning Outcome
1	Have knowledge about biopharmaceutics
2	Knows the legal situations related to biopharmaceutics
3	Explain the importance of the properties of the active substance, dosage form and route of administration from a biopharmaceutical perspective.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.