Course Syllabus

Code - Course Title	**ECZ836 - Basics of Pharmacokinetics**
Course Type	X. SEMESTER
Laboratory + Practice	1+0
ECTS	**1.5**
Language of Instruction	Türkçe
Course Type	Specialization 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.
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction: ADME processes, pharmacokinetics models	
Week - 2		Pharmacokinetic parameters	
Week - 3		Pharmacokinetic parameters	
Week - 4		Linear pharmacokinetics and non-linear pharmacokinetics	
Week - 5		One-compartment model and two-compartment model	
Week - 6		Single and multiple dosing	
Week - 7		Single and multiple dosing	
Week - 8		Drug absorption from the gastrointestinal tract	
Week - 9		Factors affecting drug absorption	
Week - 10		Clearance	
Week - 11		Pharmakokinetic and pharmacodynamic relationships	
Week - 12		Pharmakokinetic and pharmacodynamic relationships	
Week - 13		Discussion	
Week - 14		Discussion	

Learning Outcomes

#	Learning Outcome
1	interpret drug absorption from the gastrointestinal tract
2	define factors affecting drug absorption
3	explain single and multiple dosing
4	define one-compartment model and two-compartment model
5	interpret pharmacokinetics parameters, linear pharmacokinetics and non-linear pharmacokinetics.

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.