Course Syllabus

Code - Course Title	**ECZ366 - Drug Bioavailability**
Course Type	VI. SEMESTER
Laboratory + Practice	1+0
ECTS	**1.5**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	PROF. DR. AHMET ALPER ÖZTÜRK

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	Bioavailability and bioequivalence: General principlesBiyoyararlanım ve biyoeşdeğerlik: Genel ilkelerÖner L., Şumnu M., Hıncal A., Hacettepe Üniversitesi Yayınevi, Ankara, 1994.
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Definiton and importance of Bioavailability	
Week - 2		Definiton and importance of Bioavailability	
Week - 3		Definiton and equations of absolute and Relative Bioavailability	
Week - 4		Definiton and importance of Biequivalency	
Week - 5		Definiton and importance of chemical equivalency, pharmaceutical equivalency, therapeutic equivalency and pharmaceutical alternatives	
Week - 6		Bioequivalency in oral dosage forms	
Week - 7		Criterions of bioavailability	
Week - 8		Calculations of Area Under the Curve (AUC)	
Week - 9		Absorption rate constant (ka), Max. Plasma Concentration (Cmax), Time for Max. Plasma Concentration (tmax), Elimination rate constant (Au∞), Elimination rate (ΔAu/Δt)	
Week - 10		Schedule for Bioavalilabiliy and Bioequivalency Studies	
Week - 11		Schedule for Bioavalilabiliy and Bioequivalency Studies	
Week - 12		Overall evaluation	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Ivestigation on the sample Bioavailability studies	
Week - 14		Ivestigation on the sample Bioavailability studies	

Learning Outcomes

#	Learning Outcome
1	evaluate basic informations about bioavailabiliy and bioequivalency
2	evaluate the factors that effect on Bioavailability
3	design Bioequivalency studies

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.