Course Syllabus

Code - Course Title	**FTE638 - Semi-Solid Drug Delivery System**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	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.
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Classification according to the European Pharmacopoeia	
Week - 2		Bases and Classification: Hydrocarbon bases, Absorption bases	
Week - 3		Bases and Classification: Water-miscible bases, Water-soluble bases	
Week - 4		Preparation of semi-solid formulations	
Week - 5		Stability of semi-solid formulations 1	
Week - 6		Stability of semi-solid formulations 2	
Week - 7		Characterization of semi-solid formulations 1	
Week - 8		Characterization of semi-solid formulations 2	
Week - 9		Active Substance Release and Bioavailability from Semi-Solid Drug Delivery Systems 1	
Week - 10		Active Substance Release and Bioavailability from Semi-Solid Drug Delivery Systems 2	
Week - 11		Skin and Its Components	
Week - 12		Absorption of Semi-Solid Drug Delivery Systems from the Skin	
Week - 13		Factors Affecting Percutaneous Absorption	
Week - 14		Quality Control in Semi-Solid Preparations.	

Learning Outcomes

#	Learning Outcome
1	He/she can define and classify semi-solid preparations.
2	He/she gains knowledge of the preparation and characterization of semi-solid formulations.
3	He/she gains knowledge of the stability of semi-solid formulations.
4	He/she gains knowledge of Active Substance Release and Bioavailability from Semi-Solid Drug Delivery Systems.
5	He/she knows the quality control parameters in semi-solid preparations.

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.