Course Syllabus

Code - Course Title	**ECZ880 - Analysis of Chiral Compounds in Pharmaceutics**
Course Type	X. SEMESTER
Laboratory + Practice	1+0
ECTS	**1.5**
Language of Instruction	Türkçe
Course Type	Specialization Courses
Course Instructor(s)	PROF. DR. DUYGU YENİCELİ

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	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		An introduction to stereochemistry and important definitions	
Week - 2		The mechanisms of chiral recognition and retention	
Week - 3		Direct and indirect chiral separations	
Week - 4		Chiral separations using LC	
Week - 5		Chiral stationary phases and chiral mobile phase additives	
Week - 6		The analysis of chiral drug molecules using LC	
Week - 7		The analysis of chiral drug molecules using LC	
Week - 8		Chiral separations using GC	
Week - 9		GC chiral stationary phases and the factors affecting selectivity	
Week - 10		Chiral separations using CE	
Week - 11		Preparative chiral chromatography	
Week - 12		Alternative preparative techniques	

Learning Outcomes

#	Learning Outcome
1	will be able to explain chiral recognition and retention

Learning Outcomes

#	Learning Outcome
2	will be able to explain direct and indirect chiral separations
3	will be able to explain chiral separations using LC
4	will be able to explain chiral separations using GC
5	will be able to explain chiral separations using CE

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.