Course Syllabus

Code - Course Title	**ECZ896 - High Performance Liquid Chromatography Practices in Pharmace**
Course Type	X. SEMESTER
Laboratory + Practice	1+0
ECTS	**1.5**
Language of Instruction	Türkçe
Course Type	Specialization Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ SAKİNE ATİLA KARACA

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	Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Chromatographic Methods in Pharmaceutical Analysis	
Week - 2		Basic Principles of High Performance Liquid Chromatography	
Week - 3		Separation Modes in High Performance Liquid Chromatography	
Week - 4		Stationary Phases	
Week - 5		Mobile Phase and Sample Solutions	
Week - 6		Detector Systems	
Week - 7		Method Development with Reverse Phase High Performance Liquid Chromatography	
Week - 8		Method Development with Reverse Phase High Performance Liquid Chromatography	
Week - 9		System Suitability Parameters	
Week - 10		Method Validation	
Week - 11		Review of Method Development Studies	
Week - 12		Review of Method Development Studies	
Week - 13		The Role of High Performance Liquid Chromatography in the Pharmaceutical Industry	
Week - 14		The Role of High Performance Liquid Chromatography in the Pharmaceutical Industry	

Learning Outcomes

#	Learning Outcome
1	Explain the basic principles of high performance liquid chromatography.
2	Describe the design of the equipment and column used in high performance liquid chromatography.
3	Prepare solutions to be used with high performance liquid chromatography.
4	Apply a previously developed high performance liquid chromatography method.
5	Discuss high performance liquid chromatography method development strategies.
6	Evaluate the results of an high performance liquid chromatography analysis.
7	Explains system suitability parameters and method validation.
8	Describe the role of high performance liquid chromatography in the pharmaceutical industry.

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.