Course Syllabus

Code - Course Title	**FBİ508 - Purification and Analysis Methods of Therapeutic Proteins**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. EROL ŞENER

Mode of Delivery	face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Ultrafiltration of Therapeutic Protein	
Week - 2		Diafiltration of Therapeutic Protein	
Week - 3		Chromatographic Purification Methods of Therapeutic Protein	
Week - 4		Size exclusion chromatography (gel filtration)	
Week - 5		Ion exchange chromatography	
Week - 6		Hydrophobic interaction chromatography	
Week - 7		Affinity chromatography	
Week - 8		Affinity chromatography II	
Week - 9		Protein A chromatography	
Week - 10		Lectin affinity chromatography	
Week - 11		Dye affinity chromatography	
Week - 12		Metal chelate affinity chromatography	
Week - 13		High performance liquid chromatography I	
Week - 14		High performance liquid chromatography II	

Learning Outcomes

#	Learning Outcome
1	Evaluate filtration techniques for therapeutic protein purification
2	Evaluate affinity chromatographic techniques
3	Evaluate high-pressure chromatographic techniques

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.