Course Syllabus

Code - Course Title	**FTE641 - Methods of Targeting in Pharmaceutical Biotechnology**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. GÜLAY BÜYÜKKÖROĞLU

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	ECZ318 Pharmaceutical Biotechnology course is recommend for student that will choose or choosed this course
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introductions of targeting drug delivery systems	
Week - 2		Preparing methods of targeting drug delivery systems	
Week - 3		Stability testing of targeting drug delivery	
Week - 4		Targeting methods of drugs to target organs, cells and target areas	
Week - 5		Active and passive targeting methods of drug delivery systems	
Week - 6		Active and passive targeting methods of drug delivery systems	
Week - 7		Design of biotechnological materials (genetics material, nucleic acids, proteins) with targeting systems	
Week - 8		Controls and application areas of systems designed with genetic material, nucleic acids, proteins	
Week - 9		Mid-term examination	
Week - 10		Gene therapy; ex vivo gene therapy	
Week - 11		In vivo gene therapy	
Week - 12		Gene transferring methods	
Week - 13		Non-viral and viral gene transferring methods	
Week - 14		Presantation of homework and discussion	

Learning Outcomes

#	Learning Outcome
1	Will be evaluate the targeting drug delivery systems
2	Will be related the active and passive targeting methods of drug delivery systems
3	Will be recognized the design of biotechnological materials (genetics material, nucleic acids, proteins) with targeting systems
4	will be related the controls and applications areas of Systems that is desingned with genetics material, nucleic acids, proteins
5	Will be interpret the gene therapy

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.