Course Syllabus

Code - Course Title	**FTE633 - Cell and Tissue Technologies 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)	DOÇ. DR. BEHİYE ŞENEL

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
Recommended Resources	Kök Hücre. Biyolojisi, Türleri ve Tedavide Kullanımları;Akademisyen Tıp Kitapevi, Prof.Dr.Alp Can; Stem Cells For Dummies®Published by Wiley Publishing, Inc. Lawrence S.B. Goldstein, PhD, and Meg Schneider
Work Placement	Practical training is not required for this programme

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Cell and Tissue Therapy Products	
Week - 2		Production of Cell and Tissue Therapy Products	
Week - 3		Application Areas of Cell and Tissue Therapy Products	
Week - 4		Legal Regulations in Gene and Tissue Therapy Products	
Week - 5		Preclinical and Clinical Studies	
Week - 6		Creating Tissue Scaffolding	
Week - 7		Use of Scaffolds in Pharmaceutical Biotechnology	
Week - 8		Stem Cell Biology	
Week - 9		Historical Development of Stem Cells Research	
Week - 10		Production and Use of Stem Cells for Therapeutic Purposes	
Week - 11		Production and Use of Stem Cells for Therapeutic Purposes	
Week - 12		Stem Cells and Biotechnological Approaches	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Stem Cell and Gene Therapy	
Week - 14		Literature Studies on Cell and Tissue Products	

Learning Outcomes

#	Learning Outcome
1	Recognize drugs originating from cell and tissue products
2	Describes the stages and properties of tissue scaffolding
3	Explain stem cell biology

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.