Course Syllabus

Code - Course Title	**FBİ511 - Basic Cell Culture Techniques**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
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 prerequisites.
Courses Recomended	Molecular Biology course is recommended for this course
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Aseptic Working Conditions: Sterilization, Determination and Evaluation of Biosafety Levels	
Week - 2		Good Laboratory Practices	
Week - 3		Cell Culture Techniques: Cell Types, Media, Components and Physicochemical Properties	
Week - 4		Basic Operations in Cell Culture: Freezing-thawing, Cell Counting, Cell Passaging	
Week - 5		Cell Culture Models	
Week - 6		Problems that may be encountered in Cell Culture Studies and Demonstration with Examples	
Week - 7		Contamination, Precautions to be taken in Cell Culture Studies	
Week - 8		Cell Culture Laboratory Devices: Classification of Devices, Purposes of Use Of Devices	
Week - 9		Examples of Cell Culture Studies in Literature	
Week - 10		Examples of Cell Culture Studies in Literature	
Week - 11		Laboratory Studies	
Week - 12		Laboratory Studies	
Week - 13		Laboratory Studies	
Week - 14		Laboratory Studies	

Learning Outcomes

#	Learning Outcome
1	Explain aseptic working conditions.
2	Be able to explain Good Laboratory Practices
3	List the components of cell culture.
4	Be able to List the basic operations performed in cell culture.
5	Explain cell culture models.
6	List the problems that may be encountered in cell culture.
7	Be able to recognize the devices used in cell culture

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.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
Final Exam	1	60
Homework	1	40
	Sum (%)	**100**