Course Syllabus

Code - Course Title	**BYK605 - Cell Culture Techniques**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. ZERRİN SELLER

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

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Cell Culture Laboratory Design	
Week - 2		Laboratory Equipment and Features	
Week - 3		Aseptic Techniques	
Week - 4		Security, Bioethics and Validation	
Week - 5		Cell Preparation	
Week - 6		Sterilization Operations	
Week - 7		Primer Culture	
Week - 8		Separation of Cells	
Week - 9		Characterization of Cells	
Week - 10		Transformation and Immortalization of Cells	
Week - 11		Storage of cells	
Week - 12		Culture Conditions of Tumor Cells	
Week - 13		Organotypic Culture	
Week - 14		Solution of Problems in Cell Culture	

Learning Outcomes

#	Learning Outcome
1	Design the cell culture laboratory.
2	Prepare tje cell culture medium
3	Explains the methods of separating cells
4	Know the storage conditions of cells

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.