Course Syllabus

Code - Course Title	**FKL516 - Application of Molecular Biological Methods in Pharmacology**
Course Type	II. SEMESTER
Laboratory + Practice	1+2
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ ELİF KAYA TİLKİ

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

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Tissue and cell culture, applicaiton areas and methods (removing cell from stock, proliferating and stocking).	
Week - 2		Cytotoxicity, cell proliferation and apoptotic analysises.	
Week - 3		DNA isolation from culturized cells, agarose ve polyacrilamide gel electrophoresis	
Week - 4		PCR method, gene polymorphism ve drug effect	
Week - 5		Debatig the essays	
Week - 6		Debatig the essays	
Week - 7		RNA isolation from culturized cells and cDNA syntesis	
Week - 8		Revers-transcription PCR	
Week - 9		The assesment of RNA expression levels and its importance in pharmacologic studies.	
Week - 10		RNAi and microarray technology	
Week - 11		RNAi and microarray technology	
Week - 12		Methods depending on antigen-antibody reactions	
Week - 13		Proteomic determination methods	
Week - 14		Proteomic determination methods	

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.