Course Syllabus

Code - Course Title	**BYK502 - Laboratory Techniques in Biochemistry**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. GÜLŞEN AKALIN ÇİFTÇİ

Mode of Delivery	face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	Biochemistry, molecular biology
Recommended Resources	Tietz Fundamentals of Clinical Chemistry
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Measurement of Biochemical Materials in Laboratory	
Week - 2		Preparation of solution	
Week - 3		Protein quantitaion in cell	
Week - 4		Protein separation and charecterization	
Week - 5		Technics of Santrifuge	
Week - 6		Electrophoresis	
Week - 7		Antibodies	
Week - 8		Western Blotting	
Week - 9		Spectrophotometer	
Week - 10		Akım sitometri	
Week - 11		Usage of Enzymes in Biochemistry	
Week - 12		DNA isolatin from cell and tissue samples	
Week - 13		DNA agorose gel electrophoresis	
Week - 14		PCR method	

Learning Outcomes

#	Learning Outcome
1	illustrate the Biochemical Materials used in Biochemistry Laboratory
2	Appllicate the Methods Used in Biochemistry Laboratory
3	İllustare the PCR method and usage areas

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.