Course Syllabus

Code - Course Title	**BYK624 - Tissue Biochemistry**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. GÜLŞEN AKALIN ÇİFTÇİ

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.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Biochemistry of the Muscle Tissue: Structure of the muscle	
Week - 2		Energy Metabolism of Muscle	
Week - 3		Energy Metabolism of Muscle; Structure of Extracellular Matrix and Biochemistry	
Week - 4		Bone and Tooth Tissue Biochemistry: Structure of bone tissue, Bone formation, Metabolism of bone	
Week - 5		Epithelial and Endothelial tissues: Functions of epithelial tissue, Skin	
Week - 6		System of gastrointestinal, System of respiratory, Kidneys	
Week - 7		Structure of Endothel and its Functions	
Week - 8		Cellular adhesion molecules	
Week - 9		Endotel disfunction and its activation	
Week - 10		Endothelial and immun responses	
Week - 11		Nervous System and its Metabolism	
Week - 12		Digestive System and its Biochemistry	
Week - 13		Biochemistry of Blood	
Week - 14		Biochemistry of Vision	

Learning Outcomes

#	Learning Outcome
1	assess the muscle tissue in terms of biochemistry
2	evaluate the structures and biochemistry of extracellular matrix, bone and tooth tissues
3	evaluate the structures of epitelial and endothelial tissues and occuring biochemical events
4	evaluate the matabolism of nervous and digestive systems
5	measure glucose in the serum.
6	evaluate the biochemistry of vision

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.