Course Syllabus

Code - Course Title	**BYK619 - Protein and Acid Metabolism**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. ŞÜKRÜ BEYDEMİR

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

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Formation and folds of the polypeptide chain	
Week - 2		Structure and functions of proteins	
Week - 3		Structure and functions of proteins	
Week - 4		Nitrogen cycle	
Week - 5		Nitrogen fixation	
Week - 6		Digestion of proteins	
Week - 7		Digestion of proteins	
Week - 8		Removal of amino groups from amino acids structure	
Week - 9		Removal of amino groups from amino acids structure	
Week - 10		Urea cycle and destruction of carbon skeletons of amino acids	
Week - 11		Biosynthesis of essential and non-essential amino acids	
Week - 12		Important biomolecules derived from amino acids	
Week - 13		Important biomolecules derived from amino acids	
Week - 14		Hem group biosynthesis, destruction and activated methyl cycle	

Learning Outcomes

#	Learning Outcome
1	Explain the amino acids combine and protein formation
2	Explains the structure-function relationship of proteins
3	Explain the digestive mechanism of proteins
4	Explains the destruction of amino and carbon skeletons of amino acids
5	Explains amino acid biosynthesis and biomolecules with amino acid structure

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 (%)
1.Midterm Exam	1	40
Final Exam	1	60
	Sum (%)	**100**