Course Syllabus

Code - Course Title	**BİY587 - Biochemistry of Enzyme**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. HALİDE EDİP TEMEL

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

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Definition of enzyme and classification of enzymes	
Week - 2		Chemical structure of enzymes	
Week - 3		Effect mechanisms of enzymes	
Week - 4		Regulation of enzyme activity	
Week - 5		Factors affecting enzyme activity	
Week - 6		Methods used for determination of enzyme activity	
Week - 7		Enzyme activators and inhibitors	
Week - 8		Kinetics of enzymes	
Week - 9		Purifications of enzymes	
Week - 10		Important enzymes in the diagnosis of diseases I	
Week - 11		Important enzymes in the diagnosis of diseases II	
Week - 12		Utilization areas of enzymes	
Week - 13		Coenzymes	

Learning Outcomes

#	Learning Outcome
1	explain basic functions of enzymes

Learning Outcomes

#	Learning Outcome
2	explain basic properties of enzymes
3	explain working principle of enzymes
4	will able to define the mechanisms of enzyme activity regulation
5	explain the factors that affect enzyme activity
6	explain the properties of enzyme-catalysed reactions
7	define enzyme purification tecniques
8	discuss importance of enzymes in diagnosis of diseases
9	explain enzymes used in industry

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.