Course Syllabus

Code - Course Title	**BİY237 - Basic Microbiology**
Course Type	III. SEMESTER
Laboratory + Practice	2+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ SEVDA ER

Mode of Delivery	This course is conducted exclusively through in-person instruction.
Prerequisites	There are no prerequisites or co-requisites for this course.
Courses Recomended	There is no recommended optional programme component for the students to take this course.
Recommended Resources	No
Work Placement	No

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Importance of Microbiology	
Week - 2		History of Microbiology	
Week - 3		Classification of Microorganisms; Prokaryotic-Eukaryotic Microorganisms	
Week - 4		Prokaryotic and Eukaryotic Cell Structure	
Week - 5		Microbial Metabolism and Growth	
Week - 6		Microbial Genetics	
Week - 7		Sterilization and Disinfection Methods	
Week - 8		Interactions of Microorganisms with Humans, Normal Flora	
Week - 9		Antimicrobial Chemotherapy	
Week - 10		Infectious Diseases I	
Week - 11		Infectious Diseases II	
Week - 12		Infectious Diseases III	
Week - 13		Basics of Immunology	
Week - 14		Resistance Mechanisms	

Learning Outcomes

#	Learning Outcome
1	Explain the history of microbiology.
2	Explain the classification and characteristics of microorganisms.
3	Compare the anatomy and physiology of procaryotic and eucaryotic cells.
4	Define the nutritions and nutrition types of microorganisms.
5	Explain the growth and control of microbial populations.
6	Explain microbial metabolism.
7	Explain microbial genetic.
8	Discuss the microbial world except bacteria.
9	Identify the microbial diseases.
10	Explain the principles of sterilization and desenfection.
11	Discuss the bacterial relationships in the different environments.

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**