Course Syllabus

Code - Course Title	**BİY141 - Medical Biology**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**3.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DOÇ. DR. İLHAM ERÖZ POYRAZ

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		Biology and its Sub-branches, Scientific Research Methods. What is a living thing? Characteristics of Living Things	
Week - 2		Cell Concept, Cell and Membrane Structure, Transport Systems.	
Week - 3		Cell Organelles and Their Functions.	
Week - 4		Water and Minerals.	
Week - 5		Basic Biomolecules.	
Week - 6		Basic Biomolecules	
Week - 7		Genetics, Chromosome Morphology.	
Week - 8		Cell Cycle, Cell Division, Reproduction.	
Week - 9		Cell Aging, Cell Death.	
Week - 10		Plant Tissues and Organs	
Week - 11		Plant Organs	
Week - 12		Photosynthesis	
Week - 13		Animal Tissues, Respiration.	
Week - 14		Animal Tissues, Respiration.	

Learning Outcomes

#	Learning Outcome
1	Will be able to distinguish concepts of biology and medical biology and debate the ways to follow in solving a scientific problem.
2	Explain the concept of the cell, cell and membrane structure, and transport systems.
3	Discuss the importance of water for the cell and the inorganic structure of the cell.
4	Explain the chemical composition of the cell and the organic molecules within it.
5	Discuss cell organelles and their functions.
6	Explain genetics and chromosome morphology.
7	Explain the cell cycle, cell division and reproduction.
8	Explain Cell Aging and Cell Death.
9	Explain plant tissues and organs.
10	Be able to explain photosynthesis.
11	Explain animal tissues and respiration.

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	20
Final Exam	1	60

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
2.Midterm Exam	1	20
	Sum (%)	**100**