Course Syllabus

Code - Course Title	**BİY354 - Plant Physiology**
Course Type	VI. SEMESTER
Laboratory + Practice	2+0
ECTS	**2.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DOÇ. DR. EMEL SÖZEN, DOÇ. DR. HARUN BÖCÜK

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	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Water and plant cell, water transport	
Week - 2		Mineral nutrition	
Week - 3		Solute transport	
Week - 4		Photosynthesis	
Week - 5		Photosynthesis	
Week - 6		Photosynthesis: Physiological and ecological considerations	
Week - 7		Translocation in the phloem	
Week - 8		Respiration and lipid metabolism	
Week - 9		Assimilation of mineral nutrients	
Week - 10		Assimilation of mineral nutrients	
Week - 11		Seconder metabolites and plant defense	
Week - 12		Light control of plant development Plant hormones: Auxin	
Week - 13		Plant hormones: Cytokinins and gibberellins	
Week - 14		Plant hormones: Abscisic acid and ethylene	

Learning Outcomes

#	Learning Outcome
1	explain the water, solute and sugar transport processes in plants.
2	explain the importance of photosynthesis for plants.
3	explain assimilation of different mineral nutrients in plants.
4	will be explain the relations between secondary metabolites and plant defense.
5	explain the roles of light in plant development.
6	explain the plant hormones and their roles in plant development.
7	explain physiological responses produced by plants against environmental stresses.

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	25
Final Exam	1	50
2.Midterm Exam	1	25
	Sum (%)	**100**