PLANT ECOLOGY

1	Course Title:	PLANT ECOLOGY	
2	Course Code:	BYL4032	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. HÜLYA ARSLAN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Doç. Dr. Hülya ARSLAN U.Ü. Fen-Edebiyat Fak., Biyoloji Bölümü Görükle Kampüsü, BURSA Tel: 0224 2941799 arslanh@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	The aim of the course is to define the ecological factors and their effects on plantproperties. The goals are to teach the biotic and abiotic factors, their properties and special plant adaptation such as anatomical, morphological characteristics and distribution on the world.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Defining the ecological factors affecting the plant growth, distribution and grouping.
		2	Understanding the effects of light and temperature on plants.
		3	Understanding the effects of humidity, precipitation and wind on plants.
		4	Understanding the effects of edaphic factors on plants.
		5	Understanding the effects of topographic factors on plants.
		6	Understanding th eeffects of plants on other plants.
		7	Understanding the effects of animals on other plants.
		8	Relating the characteristisc of biomes on earth and environmental factors.
		9	
		10	
21	Course Content:		
	Course Content:		
Week	Theoretical		Practice

1	Some basic concepts in plant ecology.	
2	Classification of ecological factors.	
3	Light as ecological factor and it’s effects of on plants.	
4	Temperature as ecologicalfactorandit’seffects of on plants.	
5	Humidity and precipitation as ecological factor and their effects of on plants.	
6	Wind as ecological factor and it’s effects of on plants.	
7	The effects of edaphic factors such as soil texture, soil water and soil pH on plants.	
8	Repeating courses and midterm exam	
9	Topographic factors.	
10	Fire and it’s effects.	
11	Biotic factors: Lianas, epiphytes, saprophytes, parasites.	
12	Biotic factors: Insectivore plants.	
13	Biotic factors: simbiyozis, mycorrhizae, allelopathy and animals. Interactions between plants and animals.	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	M.A. Öztürk, Ö.Seçmen	Bitki Ekolojisi, Ege	Üniversitesi
Practicals/Labs			
Self study and preperation			
Assesment			
Homeworks			
Projects			
Field Studies			
Quiz	0	0.00	
Midterm exams			
Others			
Final Exam		60.00	
Total Work Load			
Contribution of Term (Year) Learning Activities to Success Grade		40.00	
ECTS Credit of the Course			4.00
Contribution of Final Exam to Success Grade		60.00	
Total		100.00	

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Total work load/ 30 hr

Measurement and Evaluation Techniques Used in the Course	
24	**ECTS / WORK LOAD TABLE**

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0

ÖK3	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0
ÖK4	0	0	0	4	3	0	0	4	0	0	0	0	0	0	0	0
ÖK5	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	5	0	4	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	4	4	5	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**