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:	Prof. Dr. Hülya ARSLAN
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: arslanh@uludag.edu.tr Telefon: 0 224 294 17 99 Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: arslanh@uludag.edu.tr Phone: 0 224 294 17 99
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.	
14	World biomes and characterisitcs.	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical			
Practicals/Labs			
Self-study and preperation			
Homeworks			
Projects			
Field Studies			
Midterm exams			
Others			
Final Exams			
Total Work Load			
Total work load/ 30 hr			
ECTS Credit of the Course			4.00

22	Textbooks, References and/or Other Materials:	M. KILINÇ, H.G. KUTBAY, Bitki Ekolojisi, Palme Yayıncılık, 2004 Basimevi, 1992.

TERM LEARNING ACTIVITIES	NUMBE	WEIGHT
Midterm Exam	1	40.00
Home work-project	0	0.00
Total	2	100.00

Contribution of Term (Year) Learning Activities to Success Grade	40.00
Contribution of Final Exam to Success Grade	60.00
Total	100.00
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**			