ALPINE VEGETATION

1	Course Title:	ALPINE VEGETATION	
2	Course Code:	BIO6604	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	No prerequisite course.	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. GÜRCAN GÜLERYÜZ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Fen-EdebiyatFakültesi, BiyolojiBölümü, GörükleKampüsü, 16059 Bursa 0 224 29 41988 gurcan@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	The main objective of this course is to introduce ecological characteristics of the vegetation zones of high mountains and also reinforced with general properties and vegetation belts of Uludağ Mountain.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Understanding the vejetation belts of high mountains.
		2	Understanding the characteristics of sub-alpine plants.
		3	Understanding the relationship between soil development and vegetation in alpine belt.
		4	Understanding the plant traits on alkaline soils in alpine belts.
		5	Understanding the plant traits on acidic soils in alpine belts.
		6	Understanding the special habiats of alpine belt.
		7	Understanding the ecophysiological traits of sub-alpine plants.
		8	Understanding the ecophysiological traits of alpine plants.
		9	
		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	The vegetation belts in the high mountains, flora of alpine belt.	

2	Woodland and Tree Lines as Lower Limits of the alpine region.	
3	The Climate Subalpine Belts and Its Local Variations.	
4	The Development of Soil and Vegetation in Alpine Belt.	
5	Ecological and Phytosociological Clasification of Alpine Vegetation, Subalpine and Alpine Grassland on Carbonate Soils.	
6	Subalpine and Alpine Grassland on Acidic Soils, Dwarf Shrub Heaths of the Lower Alpine and Subalpine Belts.	
7	Snow Patches and Related Communities, Subalpine and Alpine Fens and Spring-Swamp Communities.	
8	The Colonisation of Scree Slopes and Glacial Morains.	
9	The Vegetation of Rocks and Boulders, Plant Life in the Region of Eternal Snow.	
10	Ecophysiology of plants in Alpine and subalpine - I	
11	Ecophysiology of plants in Alpine and subalpine - II	
12	General Properties of Subalpine and Alpine belts of Uludağ Mountain and Its vegetation zones.	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	2	28.00	56.00
Final Exams	1	40.00	40.00
Total Work Load			180.00
Total work load/ 30 hr			6.00
ECTS Credit of the Course			6.00

Ellenberg H (1988) Vegetation Ecology of Central Europe.
Körner C (1999). Alpine Plant Life. Springer Verlag, Berlin.
Billings WD, Mooney HA (1968). The Ecology of Arctic and
Bliss, LC (1971). Arctic and Alpine Plant Life Cycles.
Annual Review of Ecology and Systematics 2:405-438
treeline positions and their explanationOecologia 115: 445-
459
Die Vegetation des Uludağ-Gebirges (Anatolien).
Phytocoenologia 24:167-192

23 Assesment

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	100.00
Total	1	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
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	4	3	0	3	0	0	5	0	4	5	5	0	0	0	0	0
ÖK2	4	3	0	3	0	0	5	0	4	5	5	0	0	0	0	0
ÖK3	4	3	0	3	0	0	5	0	4	5	5	0	0	0	0	0
ÖK4	4	3	0	3	0	0	5	0	4	5	5	0	0	0	0	0
ÖK5	4	3	0	3	0	0	5	0	4	5	5	0	0	0	0	0
ÖK6	4	3	0	3	0	0	5	0	4	5	5	0	0	0	0	0
ÖK7	4	3	0	3	0	0	5	0	4	5	5	0	0	0	0	0
ÖK8	4	3	0	3	0	0	5	0	4	5	5	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**				