PLANT PHYSIOLOGY										
1	Course Title:	PLANT I	PHYSIOLOGY							
2	Course Code:	SBYZ21	4							
3	Type of Course:	Compuls	sory							
4	Level of Course:	Short Cy	/cle							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	-								
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Prof. Dr. Birol Taş								
15	Course Lecturers:	-								
16	Contact information of the Course Coordinator:	melik@uludag.edu.tr, 02242942352, U.Ü.Teknik Bilimler Meslek Yüksekokulu B Blok-Görükle Kampüsü/Bursa								
17	Website:									
18	Objective of the Course: Contribution of the Course to	To explain the physiological events in plant production and the effective factors on the development of these events such as water's transport to the plant, nutrient elements' transport from the soil and leaf to the root and stem, osmosis and diffusion, photosynthesis and respiration through chemical and physical events								
	Professional Development:									
20	Learning Outcomes:									
		1	Learning the definiation and importance of plant physiology and plant morphology							
		2	Learning the structure of plant cell, tissue and organs							
		3	Learning the plant vascular system and uptaking and transporting water and plant nutrient elements							
		4	Learning the respiration and photosynthesis events in the frame of metabolism physiology							
		5	Learning the knowledge about stress physiology in the plant							
		6								
		7								
		8								
		9								
	Course Contact	10								
21	Course Content:									
Mook	Theoretical	C	Practice							
1	The presentation of the course conte	ent and	1 TACILOE							
'	plant cell and the structure	Zin ana								

2	The structure and features of water, plasmolysis, osmosis								
3	Water in the soil water's utility, and distribution of it in plant roots and soil								
4	Uptaking water and transporting it in xylem and the structure of xylem tissi								
5	Transpiration, features of stomas and gutasyon events	d							
6	Soil sowtion, absorption of ions by platransporting ions to the root domain, absorption of nutrient elements by root	and							
7	Absorption of nutrient elements and t transport through cell membranes	heir							
8	Midterm exam and repeating courses	3							
9	Structure of floem tissue, and transportation organic compounds in plant by floem								
10	Definiation and importance of photos and pigments serving in photosynthe								
11	Features of the light used in photosyr prime reactions occurred in photosyn light reactions in photosynthesis								
12	Midterm exam and repeating courses	3							
13	Darkness reactions and knowledge a factors affecting photosynthesis	bout the							
14	Respiration in plants and its importan								
Activit	Lacrabic respiration and the stages of CeS			Number	Duration (hour)	Load (hour)			
Theore	ical		• F	gur EO.Faculty of Scie eVzi M.,Ecevit, 2004. I	nce Pressi No. 136 Plant Physiology St	FAOL Fac.			
Practic	als/Labs			0	0.00	0.00			
Self stu	dy and preperation		Pr	113 s no: 1338, Ankara.	1.00	14.00			
Homew	vorks		(0	0.00	0.00			
Project	\$			0	0.00	0.00			
Field S	tudies		(0	0.00	0.00			
T/Ecktoart	TEARMINIG ACTIVITIES	NUMBE	WE	Ž IGHT	12.00	24.00			
Others			(0	0.00	0.00			
Final E		0	<u> </u>	1	6.00	6.00			
	Vork Load					72.00			
Total W	vork broject vork lead/ 30 hr	1		100		2.40			
ECTS (Credit of the Course					3.00			
Contrib	ution of Torm (Voor) Looming Asticities	os to		0.00					
Contribution of Term (Year) Learning Activities to Success Grade				7.00					
Contrib	oution of Final Exam to Success Grade)	50.00						
Total			100.00						
Measui Course	rement and Evaluation Techniques Us								
24	ECTS / WORK LOAD TABLE								
L									

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	2	0	4	5	0	0	3	0	0	0	0	0	0	0	0	0	
ÖK2	2	0	4	5	0	0	3	0	0	0	0	0	0	0	0	0	
ÖK3	2	0	4	5	0	0	3	0	0	0	0	0	0	0	0	0	
ÖK4	2	0	4	5	0	0	3	0	0	0	0	0	0	0	0	0	
ÖK5	2	0	4	5	0	0	3	0	0	0	0	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:				2	2 low			3 Medium			4 High			5 Very High			