

PLANT PHYSIOLOGY

1	Course Title:	PLANT PHYSIOLOGY	
2	Course Code:	OTPZ154	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
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:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. SERAP KIRMIZI	
15	Course Lecturers:	Prof. Dr. Serap KIRMIZI	
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi, Gemlik Asım Kocabıyık MYO, Gemlik BURSA Tel:5123491 Email:skirmizi@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To learn the basic physiological processes on plant growth and development	
19	Contribution of the Course to Professional Development:	Basic subjects on plant biology	
20	Learning Outcomes:		
		1	Can express the importance of the basic physiological processes
		2	Can discuss the importance of photosynthesis on plant production
		3	Can discuss the importance of respiration on plant production
		4	Can discuss the mineral nutrition of plants and make link with plant production
		5	Can express the importance of the nitrogen nutrition of plant
		6	Can exemplify the uses of plant growth regulating substances on plant production
		7	Can express the basic physiology of the senescence, abscission and dormancy
		8	Can discuss the principal environmental stresses on plants
		9	
		10	

21	Course Content:				
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Week	Theoretical		Practice		
1	The importance of plant physiology on agricultural production and its branches				
2	The processes of diffusion, osmosis and expansion				
3	The water balance and transpiration by plants				
4	Plant, water and soil relations				
5	Mineral absorbson by plants				
6	Photosynthesis; its mechanism, effective factors and its pigments				
7	Repeating courses and midterm exam				
8	Nitrogen nutrition by plants				
9	Respiration; general principals and its types				
10	Plant Growth regulators:Inhibitors				
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			14	2.00	28.00
Practicals/Labs			0	0.00	0.00
Self study and preparation			11	2.00	22.00
Homeworks			0	0.00	0.00
Projects			1	0.00	0.00
Field Studies			0	0.00	0.00
Midterm exams			2	20.00	20.00
Others			0	0.00	0.00
Final Exams			1	20.00	20.00
Total Work Load					110.00
TERM LEARNING ACTIVITIES			NUMBE	WEIGHT	3.00
ECTS Credit of the Course					3.00
Midterm Exam			1	40.00	
Quiz			0	0.00	
Home work-project			0	0.00	
Final Exam			1	60.00	
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			Examination		
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	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	2	3	2	3	1	3	3	1	1	3	0	0	0	0	0	0
ÖK3	2	3	2	4	3	2	2	2	3	3	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	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				