

CROP PRODUCTION TECHNIQUES

1	Course Title:	CROP PRODUCTION TECHNIQUES	
2	Course Code:	BTKZ109	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr. Gör. Dr. HÜSEYİN CAN ALPSOY	
15	Course Lecturers:	Öğr.Gör.Dr. Hüseyin Can Alpsoy	
16	Contact information of the Course Coordinator:	Öğr.Gör.Dr. Hüseyin Can Alpsoy hkerdogan@uludag.edu.tr , 0 (224) 773 60 42	
17	Website:		
18	Objective of the Course:	Giving basic information about the propagation of cultivated plants	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Comprehending the differences between generative and vegetative propagation methods
		2	Learning the propagation by seed in detail
		3	Getting basic knowledge about propagation by spores and its stages
		4	Learning the method of propagation by cuttings in detail
		5	Comprehending the method of layering in detail
		6	Being aware of the propagation methods used in the bulbous, tuberous and rhizomatous plants
		7	Comprehending the tissue culture propagation method in brief.
		8	Getting knowledge and experience in propagation by grafting-budding and the methods used
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Overall view of propagation methods	Preliminary knowledge about practices	
2	The concept of propagation by seed and its usage areas	Demonstration of some seed samples	
3	Fundamentals of propagation by seed, preliminary treatments, seed sowing	Seed germinating practices, germination rate and germination index	
4	Propagation by spores	Demonstration of spores	

5	Propagation by cuttings, importance and usage areas	Demonstration of some cutting types
6	Main cutting-propagation methods	Practice of rooting cuttings
7	Propagation by budding-grafting, main types of budding	Applying T-budding
8	Main types of budding (cont.)	Applying chip-budding
9	Main types of grafting	Applying Veneer and bark graft
10	Propagation by means of layering, types of layering	Layering application
11	Methods used in propagation with plant parts suitable to natural layering	Applications related to the subject
12	Propagation of bulbous, tuberous and rhizomatous plants through division	Applications related to the subject
13	Laboratory organisation in tissue culture, basic tissue culture methods	Visit to a tissue culture laboratory
14	General review, evaluation of course outcomes, thoughts and proposals	Observations on the results of applications

22	Textbooks, References and/or Other Materials:	Propagation Techniques (2015); Plant Propagation Techniques -Propagation by Seed (T. Demir) and various websites
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT		
Midterm Exam	1	40.00		
Activites		Number	Duration (hour)	Total Work Load (hour)
Final Exam	1	40.00		
Theoretical	1	14	1.00	14.00
Total	2	100.00		
Practicals/Labs		14	2.00	28.00
Contribution of Term (Year) Learning Activities to Success Grade				
Self study and preparation				
Homeworks		0		
Projects				
Total		100.00		
Field Studies				
Measurement and Evaluation Techniques Used in the Midterm exams		1		
Others				
Final Exams		1		
Total Work Load				
Total work load/ 30 hr				
ECTS Credit of the Course				4.00

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	1	1	1	1	1	1	1	1	1	5	0	0	0	0	0	0
ÖK2	1	1	1	1	1	1	1	1	1	5	0	0	0	0	0	0
ÖK3	1	1	1	1	1	1	1	1	1	5	0	0	0	0	0	0
ÖK4	1	1	1	1	1	1	1	1	1	5	0	0	0	0	0	0

ÖK5	1	1	1	1	1	1	1	1	1	1	5	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
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