

PLANT GROWING TECHNICS

1	Course Title:	PLANT GROWING TECHNICS
2	Course Code:	GBUP111
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. Dr. MURAT ÇETİN
15	Course Lecturers:	Öğr. Gör. Murat Çetin
16	Contact information of the Course Coordinator:	E-posta: muratcetin@uludag.edu.tr Telefon: 0 224 5123491 Adres: Uludağ Üniversitesi, Gemlik Asım Kocabıyık M.Y.O., Gemlik, Bursa
17	Website:	
18	Objective of the Course:	Propagation of horticultural plants to give the basic methods and techniques.
19	Contribution of the Course to Professional Development:	Having learned plant breeding techniques
20	Learning Outcomes:	
	1	Obtains information about the methods used in the amplification of Horticultural Crops
	2	Obtains information hakkında generative production of horticultural plants
	3	Learns methods of vegetative propagation, transfer them to producers
	4	To obtain information on steel reproduction of horticultural plants
	5	Producers and transfer them to learn the methods of vaccination.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Vegetative propagation techniques in fruit species	Layering methods

2	Principles of replicating steel in fruit varieties	Propagation with cutting	
3	Use of dipping method in sapling production	Graftings	
4	micropropagation	Graftings	
5	Budding methods	Budding	
6	Grafting methods	Budding	
7	Micro grafting	To change the cultivar in the orchard	
8	Seed and clon rootstocks	Stratification in seeds	
9	Rootstock-scion incompatibility	Getting scions	
10	Creation of scion stock	Tour to Nurseries	
11	Open root and tubular seedlings production	Sowing seed	
12	Problems encountered in the nursery and suggestions for solutions	Repair graftings	
13	Principles of dismantling, storing and transporting seedlings	Tour to Nurseries	
14	Certification in seedlings	Tissue Culture	
22	Textbooks, References and/or Other Materials:	Meyve Yetiştirme Tekniği (Arif Soylu) • Plant Propagation. A Fully Illustrated Plant by Plant Manual of Practical Techniques. (A.Toogood) • Plant Propagation Principles and Practice (H. Kester, ,E Kester, F. Davies, R. Geneve) • Meyve Ağaçlarında Budama ve Aşılama.(Arif Soylu) • Mikroçoğaltım “Bitki Biyoteknolojisi-I Doku Kültürü ve Uygulamaları” (Ed: M. Babaoğlu, E.Gürel ve S.Özcan) • Bahçe Bitkileri Yetiştirme Tekniği (Muhsin Yılmaz) • Kültür Sebzeleri (Hüseyin Vural, Dursun Eşiyok İbrahim Duman) • Bahçe Bitkileri (Atilla Eriş, Vedat Şeniz)	
23	Assesment		
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT
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		midterm and final exam	
24	ECTS / WORK LOAD TABLE		

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	12	2.00	24.00
Homeworks	1	2.00	2.00
Projects	0	0.00	0.00
Field Studies	1	3.00	3.00
Midterm exams	1	2.00	2.00
Others	0	0.00	0.00
Final Exams	1	3.00	3.00
Total Work Load			92.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

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	3	2	3	2	2	2	3	3	0	0	0	0	0	0	0	0
ÖK2	2	2	2	1	2	3	1	2	0	0	0	0	0	0	0	0
ÖK3	2	2	2	1	2	3	4	2	0	0	0	0	0	0	0	0
ÖK4	3	2	2	2	2	2	4	3	0	0	0	0	0	0	0	0
ÖK5	3	1	2	3	1	4	2	2	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							