

PLANT GROWING MEDIA

1	Course Title:	PLANT GROWING MEDIA
2	Course Code:	PSBS226
3	Type of Course:	Optional
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:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. AYŞEGÜL AKPINAR
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Doç. Dr. Ayşegül AKPINAR aysegulakpinar@uludag.edu.tr Teknik Bilimler MYO, Park ve Bahçe Bitkileri Bölümü, Peyzaj ve Süs Bitkileri Yetiştiriciliği Programı
17	Website:	
18	Objective of the Course:	Plant materials used as culture media, and basic physical and chemical properties of these materials should have, the growth media used in evaluating the quality criteria and methods applied in determining the criteria to gain the knowledge and experience.
19	Contribution of the Course to Professional Development:	To recognize the features and qualities of plant growing media.
20	Learning Outcomes:	
	1	To express the basic concepts and definitions of soil science.
	2	To understand the necessity of rearing environments grounded and the landless, to compare.
	3	To understand the expected characteristics of substrates for ornamental plant production.
	4	Soil types, properties, recognize and understand the advantages and disadvantages of the soil.
	5	Soil profiles and horizons of sand and gravel to be able to comprehend the statements to explain the effectiveness of the training environment.
	6	Agriculture, perlite, peat, humus and leaf çürüntülerinin grasp the usage of the growing medium.
	7	Pumice stone, rock wool, vermiculite, and grasp the usage of zeolite as a growing medium.
	8	Coco, used mushroom composts, straw-straw, sawdust, and comprehend the use of tree bark as a growing medium.
	9	Stubs of corn, rice and peanut shells grasp the usage of the growing medium.

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21	Course Content:			
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Week	Theoretical	Practice		
1	Plant growth media lesson introduction, the historical development of plant breeding environments.			
2	Some basic concepts related to plant growth media.			
3	Choice of materials used in plant growing environments. Grounded and floating plants comparison of the growth media.			
4	Soil			
5	Perlite			
6	Peat, humus			
7	Sand and Gravel			
8	Lesson repetition			
9	Coco Vermiculite			
10	Pumice stone			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	Used mushroom composts, stubs of corn, rice	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
14	Rock wool (rock wool), Zeolite	14	2.00	28.00
Self study and preperation				
Homeworks		0	0.00	0.00
Projects	Materials:	Notları (Basılmamış)	0.00	0.00
Field Studies		• ÖZGÜMÜŞ, A. (1985): Toprak Bilgisi, ILL Ziraat Fak.	0.00	0.00
Midterm exams		• ÖZGÜMÜŞ, A. (1985): Bitki Yetiştirme Ortamı Olarak Turbanın Önemi ve Özellikleri, ILL Ziraat Fak. Dergisi	2.00	12.00
Others		0	0.00	0.00
Final Exams		• ÖZGÜMÜŞ, A. ve KAPLAN, M. (1992): Bitki Yetiştirme Ortamı Olarak Perlitin Önemi ve topraksız kültürde	15.00	15.00
Total Work Load				95.00
Total work load/ 30 hr		sempozyumu 1992, İzmir.		2.77
ECTS Credit of the Course				3.00
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBER	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		

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	3	2	4	1	1	5	4	1	2	0	0	0	0	0	0	0
ÖK2	3	2	4	1	1	4	4	1	2	0	0	0	0	0	0	0
ÖK3	3	2	4	1	1	4	4	1	2	0	0	0	0	0	0	0
ÖK4	3	2	4	1	1	4	4	1	2	0	0	0	0	0	0	0
ÖK5	3	2	4	1	1	4	4	1	2	0	0	0	0	0	0	0
ÖK6	3	2	4	1	1	3	4	1	2	0	0	0	0	0	0	0
ÖK7	3	2	4	1	1	3	4	1	2	0	0	0	0	0	0	0
ÖK8	3	2	4	1	1	3	4	1	2	0	0	0	0	0	0	0
ÖK9	3	2	4	1	1	3	4	1	2	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							