HORTICULTURAL AND GREENHOUSE MECHANIZATION									
1	Course Title:	e Title: HORTICULTURAL AND GREENHOUSE MECHANIZATION							
2	Course Code:	BSM5028							
3	Type of Course:	Optional							
4	Level of Course:	Second Cycle							
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	3.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	No							
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Prof. Dr. Halil Ünal							
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	Prof. Dr. Halil ÜNAL e-posta : hunal@uludag.edu.tr Telefon: 0 224 2941607 Adres: Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA							
17	Website:								
18	Objective of the Course:	agricultu the theor horticultu plant bre experien analytica	zation practical to the horticultural and greenhouse re which is used new technical and machinery is to provide retical and practical. Fruit and vegetable cultivation to ural breeding, and greenhouse vegetable and ornamental reding mechanization methods respects environment may use problems with the systematic approach of showing, all ability, project for the future, a common thought and on skills of planning estimates.						
19	Contribution of the Course to Professional Development:	Mechanization practical to the horticultural and greenhouse agriculture which is used new technical and machinery is to provide the theoretical and practical learns.							
20	Learning Outcomes:								
		1	Mechanization practical to the horticultural and greenhouse agriculture which is used new technical and machinery is to provide the theoretical and practical learns.						
		2	Fruit and vegetable cultivation to horticultural breeding, and greenhouse vegetable and ornamental plant breeding mechanization methods, student may face problems are systemic approach.						
		3	Analytical thinking towards the future, prediction sets to make learns.						
		4	Project planning and evaluation skills to obtains.						
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Course Content:   Practice   Pr	21	Course Content:												
Fruit and vegetable breeding to the horticultural farming applied mechanization stage  Fruit and vegetable breeding to the horticultural farming applied mechanization stage  Tillage machinery, sowing, planting and fertilizing machines  Tillage machinery, sowing, planting and fertilizing machines  Plant keeping and spraying machines  Plant keeping and spraying machines  New techniques and latest developments used horticultural products harvesting.  The definition and importance of greenhouse, greenhouse systems and planning  Ventilation of greenhuses, heating and shadowing systems  Number  Duration (hour)  Total Wor Load (hour)  Theore happlications, greenhouse irrigation systems  Number  Duration (hour)  Total Wor Load (hour)  Theore happlications, greenhouse irrigation systems  Number  Duration (hour)  Total Wor Load (hour)  Theore happlications, greenhouse irrigation systems  Number  Duration (hour)  Total Wor Load (hour)  Theore happlications, greenhouse irrigation systems  Number  Duration (hour)  Total Wor Load (hour)  Theore happlications, greenhouse irrigation systems  Number  Duration (hour)  Total Wor Load (hour)  Theore happlications, greenhouse irrigation systems  Number  Duration (hour)  Total Wor Load (hour)  Total Work Load  Theore happlications, greenhouse irrigation systems  14														
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horticultural faming applied mechanization stage  3 Tillage machinery, sowing, planting and fertilizing machines  4 Tillage machinery, sowing, planting and fertilizing machines  5 Plant keeping and spraying machines  6 Plant keeping and spraying machines  7 New techniques and latest developments used horticultural products harvesting.  8 New techniques and latest developments used horticultural products harvesting.  9 The definition and importance of greenhouse, greenhouse systems and planning  10 Ventilation of greenhuses, heating and shadowing systems.  11 Ventilation of greenhuses, heating and shadowing systems.  Activites  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Duration (hour)  Total World Horticultural products heating and shadowing systems.  Number  Num		horticultural farming applied mechani	zation											
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greenhouse systems and planning  10 Ventilation of greenhuses, heating and shadowing systems  11 Ventilation of greenhuses, heating and shadowing systems  Activites   Number   Duration (hour)   Total Work Load (hour Load		used horticultural products harvesting	<b>j</b> .											
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Practicals/Labs   0	Activites				Number	Duration (hour)	Total Work Load (hour)							
Self study and preparation	Theore	apaplications, greenhouse irrigation sy	stems		14	3.00	42.00							
Homeworks	Practicals/Labs				0	0.00	0.00							
Projects	Self study and preperation				14	4.00	56.00							
Field Studies	Homew	vorks			14	70.00								
Midterm exams  Yintemleri, Ç.Ü. Z.F. Ta Ara9al Mekanizasy ShQurs  Others  0 0.00 0.00  Final Exams  3 Unal, H., E.Işık ve K.Al8ba9, "Zeytin üretininae  Total Work Load  Total work load/ 30 hr  ECTS Credit of the Course  Sonrası mekanizasyon uygulamaları." Bahçe Dergisi, 34(1):193-203.  5.Yağcıoğlu K., 2005 Sera Mekanizasyonu. E.Ü. Ziraat Fakültesi Yayınları No: 562, İzmir.  23 Assesment  TERM LEARNING ACTIVITIES  NUMBE R  Midterm Exam  0 0.00  Quiz  0 0.00  Home work-project  14 40.00	Project	8		F	akülte Matb., İstanbul.	14.00								
Others         0         0.00         0.00           Final Exams         3 Ünal, H., E.İşik ve K.Alabığ, "Zeytin üretin lindiğe           Total Work Load         184.00           Total work load/ 30 hr         385, 2006.         6.13           ECTS Credit of the Course         6.00           sonrası mekanizasyon uygulamaları." Bahçe Dergisi, 34(1):193-203.         5.Yağcıoğlu K., 2005 Sera Mekanizasyonu. E.Ü. Ziraat Fakültesi Yayınları No: 562, İzmir.           23 Assesment         NUMBE REGHT           Midterm Exam         0         0.00           Quiz         0         0.00           Home work-project         14         40.00	Field St	tudies		12	IVIOUUI E. VU UZUUVUI	I . OZOI DIMMOIII I	aga:							
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ECTS Credit of the Course    Sonrası mekanizasyon uygulamaları." Bahçe Dergisi, 34(1):193-203.   5. Yağcıoğlu K., 2005 Sera Mekanizasyonu. E.Ü. Ziraat Fakültesi Yayınları No: 562, İzmir.    23   Assesment   Numbe   Weight					, , , , , , , , , , , , , , , , , , , ,	,	,							
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34(1):193-203.   5. Yağcıoğlu K., 2005 Sera Mekanizasyonu. E.Ü. Ziraat Fakültesi Yayınları No: 562, İzmir.     23   Assesment	ECTS (	Credit of the Course			<u> </u>	l,,	L							
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Final Exam 1 60.00														
	Final Ex	xam	-											
Total 15 100.00	Total		15	00.00										

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	Measurement and evaluation is carried out according to the principles of Bursa uludag University Graduate Education Regulation.
24 ECTS / WORK LOAD TABLE	

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	5	5	5	5	4	4	5	4	4	5	4	4	0	0	0	0	
ÖK2	5	5	5	5	4	4	5	4	4	5	4	4	0	0	0	0	
ÖK3	5	5	5	5	4	4	5	4	4	5	4	4	0	0	0	0	
ÖK4	5	5	5	5	4	4	5	4	4	5	5	4	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	1 ν	1 very low 2 low					3 Medium			4 High				5 Very High			