

EXPERIMENT TECHNIQUE IN AGRICULTURAL MACHINERY

1	Course Title:	EXPERIMENT TECHNIQUE IN AGRICULTURAL MACHINERY	
2	Course Code:	BSM6022	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	2.00	
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:	In this course, test setups and evaluation methods of self-propelled agricultural machines that are used with tractor will be explained. Course, tractors and agricultural machinery in Turkey also includes important information about the organization and powers of execution of the experiment.	
19	Contribution of the Course to Professional Development:	At the end of this course, the student; 1. The student makes experiments on agricultural machinery. 2. Can provide consultancy on the experiments of companies. 3. Can work as an expert in various sectors. 4. Have enough knowledge to work as a consultant. 5. Can make necessary field and laboratory tests for national and international agricultural machinery.	
20	Learning Outcomes:		
		1	Learn the technique of experimental tools and machines used in agriculture
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Introduction	Agricultural machinery testing methods
2	Agricultural vehicles experimental technique	Agricultural machinery testing methods
3	Agricultural vehicles experimental technique	Agricultural machinery testing methods
4	Agricultural vehicles experimental technique	Agricultural machinery testing methods
5	Experimental technique of soil cultivation machines	soil cultivation machines
6	Experimental technique of soil cultivation machines	soil cultivation machines
7	Experimental technique of soil cultivation machines	soil cultivation machines
8	Experimental technique of soil cultivation machines	soil cultivation machines
9	Experimental technique of sowing machines	sowing machines
10	Experimental technique of sowing machines	sowing machines
11	Experimental technique of sowing machines	sowing machines
12	Experimental technique of irrigation machines	irrigation machines
13	Experimental technique of irrigation machines	irrigation machines
14	Experimental technique of irrigation machines	irrigation machines

22	Textbooks, References and/or Other Materials:	
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBER	WEIGHT		
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical					
Home Work-project		3	14	2.00	28.00
Practicals/Labs			14	2.00	28.00
Self study and preperation		4	13	3.00	39.00
Total			106.00		
Homeworks			2	24.00	48.00
Projects			14	2.00	28.00
Field Studies			0	0.00	0.00
Midterm exams			0	0.00	0.00
Total			106.00		
Others			0	0.00	0.00
Course Exams			0	0.00	0.00
Total Work Load					174.00
24 ECTS / WORK LOAD TABLE					
Total work load/ 30 hr					5.80
ECTS Credit of the Course					6.00

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