E	XPERIMENTAL METH	IODS I	N AGRICULTURAL MACHINERY					
1	Course Title:	EXPERIMENTAL METHODS IN AGRICULTURAL MACHINERY						
2	Course Code:	BSM4814-S						
3	Type of Course:	Optional						
4	Level of Course:	First Cycle						
5	Year of Study:	4						
6	Semester:	8						
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:	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:	Agricultural machinery performance, productivity levels, production quality, national and international standards and conformity of agricultural techniques, to teach the scientific and technical findings.						
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	Improve work quality and efficiency of farm machinery business learns the necessary engineering calculations and designs.					
		2	Gain ability to learn and use agricultural machines and measuring tools and equipment used in experiments.					
			Agricultural machine making the experiment, the type of machine equipment, machine elements used in the practical learns.					
			4 Examines the job security of the machines and ergonom aspects of design, development and production of learner studies.					
		5						
		6						
		7						
		8						
		9						
		10						

21	Course Content:											
	Course Content:											
Week	Theoretical Practice											
1	The purpose of the experiments and importance of farm machinery, agricu tools and machinery principles and m of test, examination of the TS and IS standards;	ultural nethods										
2	Soil, product disclosure and other experimental conditions, agricultural machines, job quality and job descrip calculation of the yields of different si											
3	Determine the method of experiment measurement of agricultural machine tools used in experiments; draft force fuel consumption measurement meth	ery and e, power,										
4	Experimental Methods: Tractor and c experiments; soil processing tools an machinery tests											
5	Experimental Methods: Sowing, plan maintenance and fertilizing machiner	ting, y tests;										
6	Experimental Methods: mowing, hay barrel-turning machines and experim harvesting and threshing machines, of harvesters and other experiments;	ents,										
7	Experimental Methods: Agricultural s	praying										
Activit				lumber	Duration (hour)	Total Work Load (hour)						
Theore	iciasing, grinding, cleaning, classing and testing machines;	ation,	1	4	2.00	28.00						
	als/Labs		0		0.00	0.00						
Self stu	transmission experiments, dy and preperation	1	4	2.00	28.00							
Homew		inco ond	1		3.00	3.00						
Project	Experimental Methods: Other food,		1		25.00	25.00						
Field S	tudies		0		0.00	0.00						
Midtern	Arrangement of the test reports.		 1		2.00	2.00						
Others			0		0.00	0.00						
Final E	xams		1		2.00	2.00						
Total W	/ork Load					90.00						
Total w	ork load/ 30 hr		2 T	a, ranın ve nayvanı SE (Çeşitli Tarım Ma	akinalarını kapsaval	ra. Pulidsal						
ECTS (Credit of the Course					3.00						
				ndartlar).	ктаант карэауа	Olusiararasi						
23	Assesment											
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT									
Midtern	n Exam	1	30.00									
Quiz		0	0.00									
Home	work-project	1	20.00									
Final E	xam	1	50.00									
Total		3	100	.00								
	ution of Term (Year) Learning Activitiess Grade	es to	50.0	00								

Contribution of Final Exam to Success Grade	50.00
Total	100.00
Course	Measurement and evaluation is carried out according to the principles of Bursa uludag University Associate and Undergraduate 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	3	5	5	5	4	4	5	4	5	0	0	0	0
ÖK2	5	5	5	3	5	5	5	4	4	5	4	5	0	0	0	0
ÖK3	5	5	5	3	5	5	5	4	4	5	4	5	0	0	0	0
ÖK4	5	5	5	3	5	5	5	4	4	5	4	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium		4 High		5 Very High						