

## FARM MACHINERY

1	Course Title:	FARM MACHINERY
2	Course Code:	EBYZ120
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):	1.00
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. Mehmet Öz
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	momer@uludag.edu.tr 0224 613 3102 Uludağ Üniversitesi Mustafakemalpaşa Meslek Yüksekokulu Mustafakemalpaşa/BURSA
17	Website:	
18	Objective of the Course:	It was aimed that usage of some agricultural tools and machines are teach.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Knows the agricultural mechanization of Turkey
	2	Understands the tractor and its parts
	3	Recognizes the tillage tools and knows the aims of usage
	4	Knows the rotary fertilizer spreaders and water extraction machines and its aims of usage
	5	Understands the seed drilling and planting machines, and its aims of usage
	6	Recognizes the agricultural protection machines, and apply on the plant
	7	Understand the combines which harvesting and threshing machine
	8	Knows the tools combinations
	9	
	10	
21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Agricultural mechanization in Turkey	In general, visual materials of agricultural machinery
2	The general structure of agricultural tractors	Pictures of tractors
3	Examination of the main elements of tractors	Examination of the experimental field of the tractor

4	Investigation of moldboard plow and disc plow	Application of moldboard plow tillage in the experimental field
5	Harrows and cultivators of the tillage tools of second-class	Application of disc-harrow in the experimental field.
6	Rollers, listers, float the rotary tiller, and tool combinations	Applications of float and rotary tiller
7	Rotary fertilizer spreaders	Examination of Rotary fertilizer spreaders
8	Repetition of the course and midterm exam	
9	Introduction of seed drills; universal and mechanical precise drilling machines	Examination of mechanical precise drilling machines in the machine park
10	Pneumatic precise drilling machines, potato and seedling planting machines	Evaluation parts of pneumatic precise drilling machines
11	Water extraction and irrigation machines	Examination of the water engine
12	Sprayers and atomizers from plant protection machines	Fungicide application with backpack sprayer
13	Harvesting and threshing machinery	Evaluation of combine
14	Harvesting and threshing machinery	Evaluation of combine

22	Textbooks, References and/or Other Materials:	a.Tarımsal Mekanizasyon, Doç.Dr.Rahmi KESKİN ve Doç.Dr.Doğan ERDOĞAN, Ankara Üniversitesi b.Tarımsal Mekanizasyon, Prof.Dr.Müjdat TOZAN, Ege Üniversitesi c.Several web sites
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical				
Midterm Exam	1	30.00	1.00	14.00
Practicals/Labs		14	2.00	28.00
Self study and preparation	1	10.00	0.00	0.00
Home work project				
Homeworks		0	0.00	0.00
Projects				
Total	3	100.00	0.00	0.00
Field Studies		0	0.00	0.00
Success Grade				
Midterm exams		1	20.00	20.00
Others		0	0.00	0.00
Final Exams		1	28.00	28.00
Total		100.00		
Total Work Load				90.00
Course 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	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK3	0	0	0	3	0	0	0	0	5	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0

ÖK5	0	0	0	3	0	0	0	0	5	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	5	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			