



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Test Parameters of Agricultural Machinery							
Course Code		ZTM524		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to provide the students with the ability to learn the methods for measuring the mechanical sizes needed in the research and development of agricultural machinery and also to recognize and use the devices used in these methods.							
Course Content		Theory and application of basic machine test methods are performed.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration					
Name of Lecturer(s)		Prof. Türker SARAÇOĞLU							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Course notes of the lecturer
---	------------------------------

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic principles of machine testing methods.
2	Theoretical	Basic principles of machine testing methods.
3	Theoretical	Basic principles of machine testing methods.
4	Practice	Basic principles of machine testing methods.
5	Practice	Basic principles of machine testing methods.
6	Practice	Basic principles of machine testing methods.
7	Intermediate Exam	Midterm Exam
8	Practice	Experimental methods in soil tillage tools and machines.
9	Practice	Trial methods in seed sowing machines.
10	Practice	Experimental methods in fertilizing machines.
11	Practice	Experiment methods in feed mixing and dispensing machines.
12	Practice	Experiment methods in feed mixing and dispensing machines.
13	Practice	Experiment methods in feed mixing and dispensing machines.
14	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	7	3	5	56
Lecture - Practice	7	5	5	70
Assignment	4	10	5	60
Midterm Examination	1	5	2	7
Final Examination	1	5	2	7
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Learn the basic principles of machine trials.
2	Experimental methods in soil tillage tools and machines.
3	Trial methods in seed sowing machines.



4	Experimental methods in fertilizing machines.
5	Experiment methods in feed mixing and dispensing machines.

Programme Outcomes (Agricultural Machinery Master)

1	Identification, formulation and solving the problems in the field of Agricultural Machinery
2	The ability to use modern engineering tools and techniques
3	The ability to use the information, which is obtained by following the scientific and technological developments, in the academic life and practice.
4	The ability to evaluate multi-faced relationship between them by understanding interaction among agricultural technology, soil, plants and animals
5	Professionalism and ethical responsibility
6	The ability to work in disciplinary and multi-disciplinary teams
7	The ability to communicate effectively
8	The ability to do research for accessing information and to use data base and other resources
9	The ability to do analyze and interpret the experimental results and the design of experiment
10	The ability to identify and interpret knowledge of current professional issues and events
11	The ability to get aware the universal and social effects of engineering solutions and applications
12	Accordance with the requirements of science and technology, ability to use scientific knowledge creative

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L4
P1	5	
P2		5
P3	5	
P4		4
P6	5	5
P9	5	
P10		5

