



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Experimental Methods in Culturtechnic							
Course Code		ZTY503		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The aim of this course is comprehended how to do experiment conditions of field, experiment of green house and experiment of laboratory in culturtechnic.							
Course Content		To learn about culturtechnic field experiment design methods and experiment technic.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Lec. Yasin MERCAN							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Açıkgöz, N. 1993. Tarımda Araştırma ve Deneme Metodları. E.Ü. Ziraat Fakültesi Yayınları No. 478. İzmir
2	Kwacnhai, A.G. and Arturo A.G. Statistical procedures for Agricultural Research. An International Rice Research Institute Book. A Wiley-Interscience Publication John Wiley & Sons.

Week	Weekly Detailed Course Contents	
1	Theoretical	Agricultural experiments and experiment methods
2	Theoretical	Experiment methods in culturatechnic
3	Theoretical	Base statistical concepts in culturatechnic
4	Theoretical	Single factor experiments
5	Theoretical	Single factor experimental designs
6	Theoretical	Comparison between treatment means
7	Theoretical	Orthogonal polynomial method
8	Theoretical	Midterm exam
9	Theoretical	Two factors experiments
10	Theoretical	Two factor experiment designs, Complete block design
11	Theoretical	Split -Plot design
12	Theoretical	Stript -Plot design
13	Theoretical	Problem data, missing data
14	Theoretical	Introduction to computer programs
15	Theoretical	General appraising
16	Theoretical	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	5	2	98
Lecture - Practice	14	4	2	84
Midterm Examination	1	6	2	8
Final Examination	1	8	2	10
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	To plan experiment and design experiment
2	To select experiment place and experiment method
3	To know how to obtained data
4	To comprehend to error
5	To interpret experiment results and to use in practice

Programme Outcomes (*Agricultural Structures and Irrigation Master*)

1	Ability to use, evaluate and improve the knowledge gained from field of study at an expert level
2	Ability to reach necessary the knowledge
3	To able to conduct scientific studies (research) related to the field
4	Ability to consider academical and ethical values the studies
5	Ability to improve editing method and evaluate the results of researches
6	The studies, the ability to reach result and application, develop new approaches
7	A topic in the field of written, verbally and visually as the ability to express
8	Effective use of Turkish language and ability to communicate in a foreign language both written and verbal

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

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	3	3	3	3	3
P3		4		4	4
P4	4	4	4	4	4
P7		3			
P8	4	4	5	5	4

