

## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title Quality and Breeding of Cer		eals							
Course Code	ZTB503		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit 8	Workload 20	06 (Hours)	Theory	,	2	Practice	2	Laboratory	0
Objectives of the Course Growing techniques, quality par product quality of cereals.				eters	and the an	alyses method	ds will introd	uce to characteriz	e the
Course Content Identifying and enhancing th			e quali	ty cri	teria for Gra	ains			
Work Placement N/A									
Planned Learning Activities and Teaching Methods				ation	ion (Presentation), Discussion, Project Based Study, Individual				
Name of Lecturer(s) Prof. Osman EREKUL									

Assessment Methods and Criteria						
Method	Quantity	Percentage (%)				
Midterm Examination	1	40				
Final Examination	1	60				

## Recommended or Required Reading 1 Diepenbrock, W., F. Ellmer, and J. Léon, 2005: Ackerbau, Pflanzenbau und Pflanzenzüchtung, Verlag Eugen Ulmer, Stuttgart, Germany. 2 Geisler, G., 1988: Ertragsphysiologie von Kulturarten des gemäßigten Klimas. Verlag Paul Parey, Berlin und Hamburg 3 Gooding, M. J., and W. P. Davies, 1997: Wheat Production and Utilization. CAB International, Wallingford, UK.

Week	<b>Weekly Detailed Cour</b>	rse Contents				
1	Theoretical	Introduction, importance of cereals quality				
2	Theoretical	The effect of wheat production on product quality				
3	Theoretical	Bread-making quality				
4	Theoretical	Frequently used bread-making quality parameters				
5	Theoretical	Analytical techniques				
6	Theoretical	The effect of barley production on product quality				
7	Theoretical	Feed and malting barley quality				
8	Theoretical	Malting quality				
9	Intermediate Exam	Midterm Exam				
10	Theoretical	Frequently used brewing quality parameters				
11	Theoretical	Analytical techniques				
12	Theoretical	Effect of rye and triticale production on product quality				
13	Theoretical	Feed and bread rye and triticale quality, parameters, analytical techniques				
14	Theoretical	Presentation of assignments				
15	Final Exam	Final				

Quantity	Preparation		Duration		Total Workload	
14		4	1		70	
14		7	1		112	
1		8	1		9	
1		14	1		15	
Total Workload (Hours)						
[Total Workload (Hours) / 25*] = <b>ECTS</b>						
	1		1 14 To	1 14 1 Total Workload (He	1 14 1 Total Workload (Hours)	



Learning Outcomes							
1	1. To be able to identify bread making quality of wheat grain						
2	2. To be able to comprehend grain quality to durum wheat						
3	3. To be able to comprehend grain quality standard of barley						
4	4. To be able to identify grain quality of rye, oats and triticale						
5	Grain morphology, relationship between yield components and quality						

Progr	amme Outcomes (Field Crops Master)
1	To be able to improve and deepen the level of expertise in field crops on the basis of the departments licenses qualifications.
2	To be able to recognize the subjects related to field crops, to be able to solve these and make interpretation.
3	To be able to have the skills of acting independently, to have power to decide and to create.
4	To be able to work in teams between departments
5	To be able to give briefing about latest information of Field Crops in written, oral and visual ways.
6	To be able to take responsibility for developing the new approaches and to formulate a solution facing unforeseen complex situations of applications,
7	To be able to defend the original opinions in both Turkish and in foreign languages by using these languages and communicating effectively.
8	To be able to contribute to science by producing knowledge for the aim of improving quality, efficiency and sustainability
9	To be able to apply breeding methods in order to improve new varieties for Field Crops.
10	To be able to maintain and select the appropriate statistical methods within the framework of the study, evaluation of scientific ethics; to convert the results into a report/dissertation and to offer them by producing scientific publications.
10	

## 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	4	4	5
P2	4	4	5	4	5
P3	3	4	3	4	5
P4	2	2	2	1	5
P5	1	2	2	2	5
P6	2	2	2	2	5
P7	3	2	3	1	5
P8	5	5	4	4	5
P9	5	5	5	5	5
P10	4	5	4	5	5

