AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Crop Yield Physiology								
Course Code	ZTB508			Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The principles of the science of Yield Physiology, plant production and to grasp the intense relationships and the latest scientific developments on this issue								
Course Content	Dry matter analysis, crop growth analysis, net assimilation rate, leaf area index								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)	Prof. Aydın ÜNAY								

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

Recommended or Required Reading	
1	Crop Physiology from Crop Production.

Week	Weekly Detailed Course Contents	
1	Theoretical	Dry matter analysis
2	Theoretical	Dry Matter Analysis
3	Theoretical	Crop Growth Rate
4	Theoretical	Net Assimilation Rate
5	Theoretical	Leaf Area Index
6	Theoretical	Harvest Index
7	Theoretical	Duration of Leaf Area Greeness
8	Intermediate Exam	Examination
9	Theoretical	Effects of CO2
10	Theoretical	Leaf Charactersistics
11	Theoretical	Radiation
12	Theoretical	Effect of Irrigation
13	Theoretical	Abiotic Stress
14	Theoretical	Presentation

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	3	84
Term Project	2	13	20	66
Midterm Examination	1	0	10	10
Final Examination	1	10	30	40
			Total Workload (Hours)	200
			[Total Workload (Hours) / 25*] = **ECTS**	8
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to knowledge about Yield Physiology
2	To be able to grasp current scientific developments
3	To be able to analyse physiological process
4	Acquire the physiological vision and comments

5	Research the interdisciplinary for yield physiology

Programme 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.

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	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	5	5	5	5	5