



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Crop Yield Physiology							
Course Code		ZTB508		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 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.
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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 Greenness
8	Intermediate Exam	Examination
9	Theoretical	Effects of CO ₂
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
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Programme Outcomes (Plant Protection Master)

1	To develop knowledge and abilities that gained during undergraduate education
2	To gain ability to search and pursue current literature
3	To gain ability to plan and write projects that help solving problems in field of study.
4	To gain ability to conduct research, analyze data, evaluate research results scientifically and prepare reports and thesis writing.
5	Students will be able to learn and apply the laboratory test and analysis methods
6	To recognize occupational and ethical responsibility

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	3	3	3	3	4
P2	4	4	4	4	4
P3	4	5	4	4	5
P4	5	5	4	4	5
P5	5	5	4	4	4
P6	4	4	3	4	4

