



AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
FIELD CROPS
FIELD CROPS
FIELD CROPS MASTER
COURSE INFORMATION FORM

Course Title	Alternative Weed Control Methods								
Course Code	ZBK538	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	8	Workload	200 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Introduction of non-chemical approaches in the fight against weeds								
Course Content	Cultural measures, the use of physical and biological methods of weed control in a struggle. Detailed information is given on topics such as mechanical combat, flame, solarization and mulching.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)	Prof. Mehmet Nedim DOĞAN								

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

Recommended or Required Reading	
1	Integrated Weed Management

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction
2	Theoretical	Importance of weeds
3	Theoretical	Continue second week
4	Theoretical	Control
5	Theoretical	Control Continue
6	Theoretical	Cultural Control 1
7	Theoretical	Cultural control 2
8	Intermediate Exam	exam
9	Theoretical	Phyca control 1
10	Theoretical	Physical control 2
11	Theoretical	mechanical control 1
12	Theoretical	mechanical control 2
13	Theoretical	biological control 1
14	Theoretical	biological control 2
15	Practice	Practise
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	3	2	70
Midterm Examination	1	32	1	33
Final Examination	1	40	1	41
			Total Workload (Hours)	200
			[Total Workload (Hours) / 25*] = ECTS	8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes	
1	Yield losses due to weed is learnt
2	Have experience about non chemical weed control methods



3	
4	
5	

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

