



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

Course Title	Weeds and Their Control in Arable and Horticultural Crops								
Course Code	ZBK546	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	8	Workload	202 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The aim of the course is to teach the recognition of the weeds that are problem in agricultural areas, their harms and struggle								
Course Content	In this course, the definition of some concepts in weed science, the importance of weeds in terms of agricultural production, interactions between weeds and weeds, parasitic weeds, weeds in different fields and horticultural plants and herbicides that can be used in these areas will be covered.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Yeğen, O., 1984. Yabancı Otlar ve Mücadelesi. Ankara Üniv., Ziraat fak. Yayınları:906 (3). 136s.
2	Nemli, Y., 1983. Yabancı Ot Bilimi. Ege Üniv. Ziraat fak., Bitki Koruma Bölümü için ders notları. 75-II, 113s.
3	Uygur, F. N. W. Koch, H. Walter, 1984. Yabancı ot Bilimine Giriş (Kurs Notu), PLITS 2(1), 1984. Josef Margraf, Stuttgart. 114 s.
4	Uygur, F.N., W. Koch and H. Walter, 1986. Çukurova Bölgesi Buğday-Pamuk ekim sistemindeki önemli yabancı otların tanımı. PLITS 4 (1). 169p
5	Özer, Z., H. Önen, F. N. Uygur, W. Koch., 1996. Farklı Kültürlerde Sorun Olan Yabancı otlar ve Kimyasal Savaşimleri. Gaziosmanpaşa Üniv., Zir. Fak. Yay. No:15, Seri No:8. 282 s.
6	Tepe, I., 1997. Türkiye'de Tarım ve Tarım Dışı Alanlarda Sorun Olan Yabancı Otlar ve Mücadeleleri. Yüzüncü Yıl Üniversitesi Yay.

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition, benefits and harms of weeds
2	Theoretical	Recognition of important weeds
3	Theoretical	Biological development in weeds, classification
4	Theoretical	Parasitic weeds
5	Theoretical	Allelopathy, introduction of competition concepts
6	Theoretical	Weed control
7	Intermediate Exam	Midterm
8	Theoretical	Chemical control (Classification and application of herbicides)
9	Theoretical	Weeds and control in cereals
10	Theoretical	Struggle of weeds, potatoes, sunflowers and weeds in cotton
11	Theoretical	Weed and soya beans in tobacco, soybean and peanuts
12	Theoretical	Vineyards in vineyards and orchards
13	Theoretical	Weed crops and strawberries
14	Theoretical	Weed and control of weeds in greenhouse and outdoor area
16	Final Exam	Final Exam



Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	4	2	84
Midterm Examination	1	30	1	31
Final Examination	1	30	1	31
Total Workload (Hours)				202
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	
2	
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	4	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

