



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Agricultural Protection and Beekeeping							
Course Code		AR233		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	98 (<i>Hours</i>)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		The students in agricultural production, the importance of apiculture and bee pesticides aimed to gain information about the losses.							
Course Content		Use of pesticides in crop production, beekeeping influences from agricultural drugs, alternative methods of agricultural drugs, describes the importance of beekeeping in agricultural activities.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Ins. Ali Kemali ÖZÜĞÜR							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Arıcılığın Temel Esasları : Prof. Dr. Ferat GENÇ ve Doç. Dr. Ahmet DODOLOĞLU
2	Uygulamalı Arıcılık : Enver ÖDER
3	Bal arısı biyolojisi ve yetiştiriciliği : Doç. Dr. Sibel SİLİCİ

Week	Weekly Detailed Course Contents	
1	Theoretical	What is the crop production and pest control
	Practice	Representation of plant varieties
2	Theoretical	Pest control in the world and our country
	Practice	Status of crop production in the world and in our country,
3	Theoretical	Methods of pest management in agricultural production, agricultural production of drugs and drug groups used in
	Practice	Representation of the drugs used in the fight against agricultural
4	Theoretical	Pest control methods in agricultural production, drugs and drug groups used in agricultural production 2
	Practice	Representation of the drugs used in the fight against agricultural 2
5	Theoretical	Alternative applications of chemical agents
	Practice	Field work
6	Theoretical	Alternative applications of chemical agents 2
	Practice	Field work
7	Theoretical	Beekeeping role in agricultural production
	Practice	Field work
8	Intermediate Exam	Midterm exam
9	Theoretical	Nectar flow in our country
	Practice	Representation of the plants visited by bees
10	Theoretical	Plants visited by bees, and visiting hours
	Practice	Representation of the plants visited by bees
11	Theoretical	Time of use of agricultural pesticides used in plants
	Practice	Representation of pesticides used in crop production
12	Theoretical	Influence the shape of bees to pesticides
	Practice	Representation on the bees affected by agricultural chemicals
13	Theoretical	The poisoning symptoms for drug groups
	Practice	Poisoning of bees on display
14	Theoretical	Methods to prevent the adverse effects of pesticides
	Practice	Field work



15	Theoretical	Determination of residues of agricultural and pesticide regulations to be followed in combating drug residues in Turkey identifying information about centers
	Practice	Discussion of methods
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	2	0	14	28
Lecture - Practice	1	0	14	14
Assignment	3	0	5	15
Land Work	4	0	6	24
Reading	3	0	5	15
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				98
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be able to comprehend the methods of pest control
2	To be able to apprehend the importance of beekeeping in agricultural production
3	To be able to identify the effects of pesticides for honeybees
4	To be able to comprehend the methods of protection from the negativity of pesticides

Programme Outcomes (Apiculture)

1	Understand to bee family (ecology, behavior), needs and diseases of bees. To make needs for healthy colony.
2	Produce of bee and bee products with modern techniques
3	Understand and use of tools and equipments used in Apiculture
4	Understand to nectar and pollen vegetables
5	To know nomadic apiculture conditions
6	Packing of bee products
7	Application to hygienic rules in apiculture enterprise
8	To have information of professional ethics and responsibility
9	Ability to work in team and individual
10	To communicate orally and in writing

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4
P1	4	5	4	4
P3	4			
P4		5		
P7			5	

