

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Queen Rearing						
Course Code	AR230	Couse Level		Short Cycle (A	Associate's D	Degree)	
ECTS Credit 4	Workload 96 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	Relationship between the cobees mating, the queen beem ale bees life behavior, traitransferring the main raising conditions, the effects of the finishing properties and regmothers obtained mating, m	es' sexual orgained and retaing bees. Comme developmen ulation of the	ans and spend for droper control of the control of	pawning, the mones, controlle ivation of the colonies, queen ain nozzles a	nain factors the production queen bee, quen bee rearing the module of the production	hat affect the valu of queen bees, la ueen bee rearing g larvae ,beginni queen bees stora	ne of bees, arvae
Course Content	Queen Breeding methods a	and care of qu	ieen bee a	and manageme	ent is taught.		
Work Placement	N/A						
Planned Learning Activities	and Teaching Methods	Explanation	(Presenta	tion), Demonst	tration, Discu	ssion, Individual	Study
Name of Lecturer(s)	Ins. Ali Kemali ÖZUĞUR						

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recoi	mmended or Required Reading
1	Arı Genetiği ve Islahı(Prof. Dr. Metin Şengonca, ISBN:975-483-615-9
2	Ana arı Yetiştiriciliği(Enver Öder ,ISBN:975-605-62580-0-8
3	Modern Arıcılık Teknikleri (Prof. Dr. Musin Doğaroğlu, ISBN:975-94210-0-3
4	Arıcılığın Temel Esasları (Prof. Dr. Ferhat Genç, Doç. Dr. Ahmet Dodoloğlu Atatürk Ü. Ziraat Fak.Yayınları No:160)

Week	Weekly Detailed Cour	se Contents
1	Theoretical	The life cycle of the bee colony
	Practice	Examination of honey bee colonies
2	Theoretical	The life of queen bees ,stages of growth and behavior
	Practice	Examination of queen bee
3	Theoretical	The life and behavior of drones
	Practice	Examination of male bees
4	Theoretical	Worker bee's life and behavior
	Practice	Examination of worker bees
5	Theoretical	Obtaining queen bee for natural bee breast
	Practice	Field work
6	Theoretical	Obtaining queen bee for natural bee breast
	Practice	Field work
7	Theoretical	Obtaining of queen bee for natural bee breast
	Practice	Field work
8	Intermediate Exam	Midterm exam
9	Theoretical	Bee cultivation under controlled conditions
	Practice	Bee cultivation under controlled conditions
10	Theoretical	Bee cultivation under controlled conditions
	Practice	Field work
11	Theoretical	Commercial queen bee breeding
	Practice	Commercial queen bee breeding
12	Theoretical	Commercial queen bee breeding
	Practice	Commercial queen bee breeding
13	Theoretical	Commercial queen bee breeding



13	Practice	Field work
14	Theoretical	Administration and maintenance of queen bees mating
	Practice	Administration and maintenance of queen bees mating
15	Theoretical	Administration and maintenance of queen bees mating
	Practice	Field work
16	Final Exam	Final exam

A ativity	Quantity	Dranaration	Duration	Total Workload
Activity	Quantity	Preparation	Duration	rotai vvorkioad
Lecture - Theory	2	0	14	28
Lecture - Practice	2	0	14	28
Laboratory	4	0	2	8
Land Work	6	0	3	18
Reading	4	0	3	12
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
		To	otal Workload (Hours)	96
		[Total Workload (Hours) / 25*] = ECTS	4

Learn	ning Outcomes
1	To be able to comprehend the life and the behavior of male and female bees
2	To be able to acquire how to obtain queen bees from the main breast naturally
3	To be able to acquire commercial bee growing in controlled conditions
4	To be able to comprehend queen bees' mating and how to care management

Progr	amme 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	Undestand and use of tools and equipments uesd 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

Contri	bution	of Lea	rning (Outcon	nes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Ver
	L1	L2	L3	L4	
P1	5	4	4	5	
P2	4	5	5	4	
P3		4		4	

