AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Organic Small Ruminant Breeding						
Course Code	OT209			Couse Level	Short Cycle (Associate's Degree)		
ECTS Credit	3	Workload	75 *(Hours)*	Theory	2	Practice	1	Laboratory	0
Objectives of the Course	The objective of the course is to teach students the importance and current state of small ruminant breeding in the world and in Turkey is to recognize goat and sheep breeds, is also to gain knowledge and skill competencies related to obtain organic, economical and high quality of milk, meat, wool, hair and mohair of sheep and goat concerning animal breeding, improvement, management and nutrition of small ruminants.						
Course Content	The importance and current state of organic small ruminant breeding in the world and in Turkey. Reproduction in sheep and goats. Genetic improvement. Management, nutrition, breeding, health protection in organic sheep and goat husbandry, Production of high quality and organic sheep and goat products.						
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	70

Recommended or Required Reading

1	Organik Tarım İlkeler ve ulusal mevzuat, Ali İrfan BAŞ. 2009. ISBN: 9786054160082, Eflatun Yayınevi, Ankara.
2	İleri Koyun Yetiştiriciliği, Mustafa KAYMAKÇI. 2016. İzmir İli DKKYB Yayınları.1, ISBN:9944-5334-0-8
3	Keçi Yetiştiriciliği, Mustafa KAYMAKÇI. 2013. İzmir İli DKKYB Yayınları.2, ISBN:9944-5334-1-6
5	Koyun ve Keçi Yetiştirme, Metin ŞENGONCA, Nedim KOŞUM. 2005. Ege Üniv.Ziraat Fakültesi Yayınları No: 563, ISBN: 975-483-650-7
6	Ulusal ve Uluslararası Zootekni Bilim Kongreleri Bildirileri, Organik Tarım Kongreleri, Organik Hayvancılık Kongreleri kitapçıkları
7	Diğer kaynaklar (Süreli Yayınlar, Makale ve Bildiriler, Güncel TÜİK ve FAO İstatistikleri, Ders notları, Güncel sektör dergileri)

Week	Weekly Detailed Course Contents	
1	Theoretical	The importance of small ruminants in the economy and in the community life
	Practice	Introduction of ADU Çine Vocational School, Sheep and Goat Application and Research Unit
2	Theoretical	The importance and current state of small ruminant breeding in the world and in Turkey
	Practice	Observation of production activities in sheep and goat breeding units of ADU Çine Vocational School
3	Theoretical	Sheep and goat breeds
	Practice	Introduction of sheep and goat breeds
4	Theoretical	Reproduction in sheep and goats
	Practice	Examination of female reproductive system in sheep and goats
5	Theoretical	Reproduction in sheep and goats
	Practice	Examination of male reproductive system in sheep and goats
6	Theoretical	Breeding practices in organic small ruminant breeding
	Practice	Practical works in sheep and goats-I
7	Theoretical	Recording and genetic improvement in sheep and goat breeding
	Practice	Practical works in sheep and goats-II
8	Intermediate Exam	MID-TERM EXAM
9	Theoretical	The methods increasing the production of lamb and kid
	Practice	Natural methods in control of reproduction in sheep and goats
10	Theoretical	Meat production from sheep and goats
	Practice	Observation of growth and development in sheep and goats and related yield or performance controls

11	Theoretical	Milk production from sheep and goats
	Practice	Farm practices for healthy milk production in sheep and goats
12	Theoretical	Production of wool, hair and mohair
	Practice	Cleaning and disinfection of sheep and goat barns
13	Theoretical	Nutritional principles in organic sheep and goat breeding
	Practice	Feeding practices in organic sheep and goat breeding
14	Theoretical	Health protection in organic sheep and goat breeding
	Practice	Health protection practices in organic sheep and goat breeding
15	Theoretical	Welfare and housing in organic sheep and goat breeding
	Practice	Animal welfare and behavioral characteristics in sheep and goat breeding
16	Final Exam	FINAL EXAM

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Term Project	1	0	3	3
Reading	14	0	1	14
Midterm Examination	1	7	1	8
Final Examination	1	7	1	8
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	comprehends the importance and current state of small ruminant breeding in the world and in Turkey and recognizes sheep and goat breeds
2	knows the reproductive function and applies the methods increasing the production of lamb and kid with natural ways
3	knows the basic concepts of genetic improvement and recording in small ruminant husbandry
4	makes and performs the management, breeding practices, grazing, nutrition, housing and health protection of organic small ruminant husbandry
5	knows and performs healthy, high quality and economic production of products of organic small ruminant husbandry

Programme Outcomes *(Organic Agriculture)*

1	To have university life, to use computer technology and to have skills for raising of scientific data
2	To produce according to organic agriculture rules
3	To know and apply starter to organic agriculture,and to get product certification
4	To know genetic for organic vegetable and animal species
5	To know and apply organic production principle and regulations and protection of environment
6	Understand and apply production techniques for organic vegetable and animal
7	To understand control methods for diseases and pests in organic agriculture
8	Having knowledge of quality control, preserving and marketing of organic products
9	To having knowledge equipments and methods for new agricultural technologies
10	To have knowledge of proffessional ethics and responsibility
11	Ability to work in team and individual
12	To communicate orally and in writing
13	To have adopt life-long learning importance and to have follow professional developments

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

	L1	L2	L3	L4	L5
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	3	3	3	3	3
P5	4	4	4	4	4
P6	4	4	4	4	4

P9	3	3	3	3	3
P10	2	2	2	2	2
P11	2	2	2	2	2