



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Organic Cattle Breeding							
Course Code		OT207		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	77 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		Learn principles and techniques of organic meat and milk production from cattle and buffalo							
Course Content		Cattle breeding in the world and in our country, Importance of cattle breeding, Herd management of cattle, Basic principles of organic animal breeding, organic meat and milk production from cattle							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Ali İrfan Albaş, 2009. Organik Tarım, İlkeler ve Ulusal Mevzuat, Eflatun Yayınevi, Ankara, ISBN:978-605-4160-08-2
2	Anonim 2005. T.C. Tarım ve Köyişleri Bakanlığı Organik Tarımın Esasları ve Uygulanmasına İlişkin Yönetmelik
3	Alpala, S., Ünal, N., 2009. Sığır ve Koyun Yetiştiriciliğinde Organik Ve Konvansiyonel Üretim Bazı Özellikler Bakımından Karşılaştırılması (Derleme). Lalahan Zootečni Arş. En. Derg. 49(1), 63-75.
4	Kantarci, G. 2007. Ekolojik (Organik Biyolojik) Hayvansal Üretim Temel İlkeleri

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance of the Cattle breeding
	Practice	General knowledge about cattle
2	Theoretical	The cattle breeding in Turkey and World.
	Practice	Statistics on cattle
3	Theoretical	Cattle races
	Practice	Presentation of cattle breeds with visuals
4	Theoretical	Factors affecting on cattle breeding, Cattle breeding farm forms.
	Practice	Presentation of cattle breeds with visuals
5	Theoretical	Practical applications in dairy cattle breeding farms
	Practice	Practical applications in dairy cattle breeding farms
6	Theoretical	Anatomical structure of the Udder
	Practice	Anatomical structure of the udder with visuals
7	Theoretical	Lactation and milking methods
	Practice	Milking machines
8	Intermediate Exam	Mid-term exam
9	Theoretical	Factors affecting the yield and composition of milk production
	Practice	Information about milk analysis methods
10	Theoretical	Buffalo breeding
	Practice	Practical information about Buffalo
11	Theoretical	The definition and importance of organic animal production
	Practice	The definition and importance of organic animal production
12	Theoretical	Animal housing in organic animal breeding
	Practice	Animal housing in organic animal breeding
13	Theoretical	Organic milk production, organic herd management.
	Practice	Practical breeding practices in buffaloes
14	Theoretical	Organic milk production, organic herd management.



14	Practice	Practical breeding practices in cattle
15	Theoretical	Certification and control mechanism in organic animal production
	Practice	Organic certification
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
Assignment	2	1	3	8
Land Work	5	0	2	10
Reading	5	0	3	15
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				77
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Know to the principals of the conventional cattle and buffalo breeding
2	Know to the principals of the organic milk production from cattle
3	To be able to comprehend organic meat production from cattle and buffalo
4	Know to the principals of the organic milk production from buffalo
5	Know to the principals of the organic meat production from buffalo

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 professional 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
P2	3	3	5
P3	3	3	5
P4	4	4	4
P5	5	5	5
P6	5	5	5
P7	2	2	2
P8	3	3	3
P9	5	5	5

