AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Basic Principles in Animal Husbandry						
Course Code		VZO503		Couse Level		Second Cycle (Master's Degree)		
ECTS Credit	5	Workload	119 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The aim of course is to teach the importance of animal husbandry, the share of animal husbandry in agricultural production, species and breed concepts, production traits of livestock, the mechanism of adaptation to the environment of the animals						
Course Content		The importance and functions of animal husbandry, domesticating methods, species and breed concepts, the occurrence and classification of breeds, the characteristics, production traits, environmental factors and the mechanism of adaptation to environment.						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods				Explanation (Presentation), 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	Akçapınar, H., Özbeyaz, C. (1999): Hayvan Yetiştiriciliği Temel Bilgileri. Kariyer Matbaacılık, Ankara.
2	Battaglia, R.A. (2001): Handbook of Livestock Management. Practice-Hall International Ltd, London
3	Ensminger, M. E. (1992): The Stockman's Handbook. Interstate Publishers, Inc. Denville, Illinois.
4	Şengonca, M. Altan, A., Koşum, N. (2009): Hayvan Yetiştirme İlkeleri. Ege Üniversitesi Basımevi, Bornova İzmir.

Week	Weekly Detailed Course Contents	
1	Theoretical	The importance of animal husbandry and its role in agricultural production
	Practice	Farm application
2	Theoretical	The situation of animal husbandry in Turkey and in the world
	Practice	Farm application
3	Theoretical	The main problems of animal husbandry in Turkey.
	Practice	Farm application
4	Theoretical	Description of domestication, the methods of domestication and the knowledge related to domestication of livestock
	Practice	Farm application
5	Theoretical	Description of the species and its role in animal husbandry.
	Practice	Farm application
6	Theoretical	The space of domestic animal species in zoological system
	Practice	Farm application
7	Theoretical	The occurrence of species and hybridization
	Practice	Farm application
8	Intermediate Exam	Midterm exam
9	Theoretical	Breed concept and classification of breeds
	Practice	Farm application
10	Theoretical	Morphological and physiological breed characteristics
	Practice	Farm application
11	Theoretical	Reproduction
	Practice	Farm application
12	Theoretical	Milk yield and lactation
	Practice	Farm application
13	Theoretical	Milk yield and lactation
	Practice	Farm application

14	Theoretical	Growth and meat production
	Practice	Farm application
15	Theoretical	Environmental factors affected on animals, the mechanism of adaptation to the environment in livestock.
	Practice	Farm application
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	2	0	8	16
Reading	1	0	20	20
Midterm Examination	1	10	1	11
Final Examination	1	15	1	16
			Total Workload (Hours)	119
		[Total Workload (Hours) / 25*] = **ECTS**		5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	to know the importance of animal production and its role in country economy
2	to know the characteristics of breeds and to do classification of the breeds
3	to know the mechanism of production traits in livestock
4	to know the effects of environmental conditions on the production traits of livestock and to do the necessary organization in this situation.
5	to know the mechanism of adaptation to environment of livestock to direct the breeders on this issue.

Programme Outcomes *(Animal Science (Veterinary Medicine) Master)*

1	Knows basic principles of animal rearing and breeding.
2	Knows physiological and morphological traits of farm animals. He/she can achieve a successful herd management by means of transferring his/her knowledge to the rural area.
3	Knows management of the animals and can take required measurements in the farm. He/She controls the productivity in the farm and keeps all farm records.
4	Knows selection and culling methods.
5	He/She can involve in all stages of production in the farm. Knows how to establish and manage of farm enterprises. He/She can help to the entrepreneurs who will enter the farm business.
6	He/She can detect and eliminate hereditary defects and problems by using his/her basic genetic knowledge.
7	Knows production traits due to his/her knowledge about hereditary principles. He/She can achieve heifer selection and determine breeding strategies for maximum production.
8	He/She can involve as an expert in scientific researches, breeding programs and judicial issues with his/her knowledge about race determination, parenthood tests, blood groups etc.
9	Knows how to reach resources and knows selection criterions of scientific researches. He/She can systematically present data. Knows statistical concepts and how to can get data, and present those as figures and tables and how to comment them. Knows different statistical methods. He/She can design a topic as a scientific paper.
10	Knows animal behaviours. Knows legal directives about animal welfare and can design some facilities such as housing, feeding, transferring and slaughtering processes according to these directives.

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	1				1
P2	1	4	5		1
P3		3		3	1
P4					2
P5		3		3	2
P7			3		
P10					2