AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Cattle Breeds							
Course Code		VZO526		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	124 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		The aim of the course is to teach cattle breeds rearing in the world and in Turkey and morphological and physiological traits of their							
Course Content		Indigenous cattle breeds of Turkey, beef cattle breeds, dairy cattle breeds, combined productive cattle breeds, morphological and physiological traits of breeds							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Prof. Hüsnü Erbay BARDAKÇIOĞLU							

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Alpan, O. (1994): Sığır Yetiştiriciliği ve Besiciliği. Şahin Matbaası, Ankara.
2	Arpacık, R. (1995): Entansif Sığır Besiciliği. Şahin Matbaası, Ankara.
3	Özder, M. (Ed) (2006): Sığırcılık. Bilge Kültür Sanat, İstanbul
4	Haskell, R.R.S. (2008): Blackwell's Fife Minute Veterinary Consult: Ruminant Wiley-Blackwell.
5	Battaglia, R.A. (2001): Handbook of Livestock Management. Prentice-Hall International Ltd, London.

Week	Weekly Detailed Course Contents	
1	Theoretical	Turkish indigenous cattle breeds and its composition
	Practice	Farm application
2	Theoretical	The morphological and physiological important traits of Anatolian Black and Eastern Anatolian Red cattle breeds
	Practice	Farm application
3	Theoretical	The morphological and physiological important traits of Anatolian Grey breed and South Anatolian Red cattle breeds
	Practice	Farm application
4	Theoretical	Local cattle breeds rearing in Turkey and their traits
	Practice	Farm application
5	Theoretical	Classification of culture cattle breeds
	Practice	Farm application
6	Theoretical	General characteristics of beef, dairy and combined productive cattle breeds
	Practice	Farm application
7	Theoretical	Dairy cattle breeds, the morphological and physiological important characteristics of Holstein and Jersey cattle breeds
	Practice	Farm application
8	Intermediate Exam	Midterm exam
9	Theoretical	The morphological and physiological important characteristics of Angler, Guernsey and the other cattle breeds
	Practice	Farm application
10	Theoretical	Combined productive cattle breeds, the morphological and physiological characteristics of Brown Swiss cattle breed
	Practice	Farm application
11	Theoretical	Simmental and the other combined productive cattle breeds
	Practice	Farm application
12	Theoretical	Beef cattle breeds, the morphological and physiological characteristics of Hereford, Angus cattle breeds

12	Practice	Farm application
13	Theoretical	The morphological and physiological important characteristics of Shorthorn, Santa Gertrudis cattle breeds
	Practice	Farm application
14	Theoretical	The morphological and physiological important characteristics Charolais and the other beef cattle breeds
	Practice	Farm application
15	Theoretical	General repetition
	Practice	Farm application
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	2	28
Assignment	3	0	10	30
Reading	1	0	30	30
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
			Total Workload (Hours)	124
			[Total Workload (Hours) / 25*] = **ECTS**	5

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	to learn beef cattle breeds rearing in the world and morphological and physiological characteristics of their
2	to learn dairy cattle breeds rearing in the world and their characteristics
3	to recognize Turkish indigenous cattle breeds
4	to select cattle breeds suitable for different regions because they learn breeds and their traits
5	to investigate the effects of factors and the adoption level on cattle breeds

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
P1	2	2	2	1
P2	5	5	5	4
P3	1	1	1	3
P5	3	3	3	3