

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Environmenta	Environmental Factors							
Course Code	VZO529	VZO529		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit 4	Workload	103 <i>(Hours)</i>	Theory		2	Practice	0	Laboratory	0
Objectives of the Course	To teach the oproduction tra	To teach the effects of stable and variable environmental factors, genotype-environment interaction on production traits in animal breeding							
Course Content	Stable enviror environment i	Stable environment, variable environment, macro environment, micro environment, genotype- environment interaction, correction coefficients							
Work Placement	N/A								
Planned Learning Activities and Teaching Methods		Explana	ation	(Presentat	ion), Individua	l Study			
Name of Lecturer(s)	Lec. Solmaz I	KARAARSLAN	I, Prof. H	layri	ye Değer C	RAL TOPLU			

Assessment Methods and Criteria

Method	Quantity	Percentage (%)	
Midterm Examination	1	40	
Final Examination	1	60	

Recommended or Required Reading

1	Ensminger, M. E. (1992): The Stockman's Handbook. Interstate Publishers. Inc. Denville, Illinois.
2	Rodostits, O.M. (2001): Herd Health. W.B. Saunders Company.
3	Aland, A., Madec, F. (2009): Sustainable Animal Production. Wageningen Academik Publishers, The Netherlands.
4	Battaglia, R.A. (2001): Handbook of. Livestock Management. Prentice-Hall International (UK) Limited, London.
5	Wathes, C.M., Charles, D.R. (1994): Livestock Housing. CAB International, Wallingford, UK
6	Vanlı, Y., Kaygısız, A., Orhan, H. (2003): Hayvan Islahı ve Genetiği. Trakya Üniversitesi, Tekirdağ Ziraat Fakültesi Yayınları, Yayın No:238

Week	Weekly Detailed Course Contents				
1	Theoretical	The concept of stable environment			
2	Theoretical	The concept of variable environment			
3	Theoretical	The concepts of macro and micro			
4	Theoretical	The environmental factors which effect on production traits in livestock animals			
5	Theoretical	The genotype-environment interaction			
6	Theoretical	For obtain the highest level yield from different species of livestock, the environmental conditions that provide necessary			
7	Theoretical	The environment management and improving environmental conditions in animal breeding			
8	Intermediate Exam	Midterm exam			
9	Theoretical	Predictable effects of environment factors in livestock animals.			
10	Theoretical	The effect of age on milk yield and according to age for milk yield correction factors in cattles and sheeps			
11	Theoretical	The effect of lactation period on milk yield in cattle			
12	Theoretical	The effect of age on fleece and offspring yield in sheeps			
13	Theoretical	The effect of body weight on fleece and offspring yield in sheeps			
14	Theoretical	The effect of calf and lamb sex on birth weight in cattles and sheeps			
15	Theoretical	The effect of birth type of lamb on birth weight in sheeps			
16	Final Exam	Final exam			

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	0	10	20
Reading	1	0	30	30
Midterm Examination	1	8	1	9



					Course mornation of
Final Examination	1	1	5	1	16
Total Workload (Hours)					
		[Total \	Workload (Hours) / 25*] = ECTS	4
*25 hour workload is accepted as 1 ECTS					

Learn	ing Outcomes
1	Knows the environment and component in animal breeding.
2	Knows the environmental factors which effect on production traits in animals.
3	Can makes successfully the environment management and improving environmental conditions
4	Knows genotype-environment relationship and to determined the optimum conditions for variable genotype
5	Knowing effect ways of environmental factors the belong of individual, can make the necessary arrangements in profitability of livestock holdings

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	2	1	1	
P2	1	2	2	2	4
P3	1	2	3	3	4
P5	2	2	3	3	
P10			3		

