

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	eterinary Med	dicine						
Course Code	VZO506		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit 4	Workload	100 (Hours)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course To teach the descriptive statistics, table and graphitheoretical distributions, correlation and regression					sampling ar	nd sampling metho	ds,	
Course Content	The descriptive distributions, of				ation, sampling	and sampl	ing methods, theor	etical
Work Placement N/A								
Planned Learning Activities and Teaching Methods			Explanation Solving	(Presenta	tion), Demons	tration, Indiv	vidual Study, Proble	em
Name of Lecturer(s)	YILMAZ							

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

Reco	mmended or Required Reading
1	Özdamar, K. (1999): SPSS ile Biyoistatistik. Kaan Kitabevi, Eskişehir.
2	Tekin, M.E. (2010): Örneklerle Bilgisayarda İstatistik. Selçuk Üniversitesi Basımevi, Konya
3	Sümbüloğlu, K, Sümbüloğlu, V. (1990): Biyoistatistik. Hatiboğlu Yayınları:53, Ankara
4	Mrode, R.A. (2005): Linear Models for the Prediction of Animal Breeding Values. CABI publishing, Cambridge, USA.
5	Petrie, A., Watson, P. (1999): Statistics for Veterinary and Animal Science. Blackwell Science Ltd.

Week	Weekly Detailed Cours	ly Detailed Course Contents							
1	Theoretical & Practice	Description the basic concepts related to statistics							
2	Theoretical & Practice	Descriptive criteria for the distributions (Arithmetic, harmonic, geometric mean, mode, median, and peak value)							
3	Theoretical & Practice	Prevalence criteria of distribution (standard deviation, standard error, variance, variation coefficient)							
4	Theoretical & Practice	The graphic preparation from data set							
5	Theoretical & Practice	The table preparation from data set							
6	Theoretical & Practice	Sampling							
7	Theoretical & Practice	Sampling methods							
8	Intermediate Exam	Mİdterm exam							
9	Theoretical & Practice	Theoretical distributions (binominal distribution)							
10	Theoretical & Practice	Theoretical distributions (poisson distribution)							
11	Theoretical & Practice	Theoretical distributions (normal distribution)							
12	Theoretical & Practice	Standard normal distribution							
13	Theoretical & Practice	Correlation analysis							
14	Theoretical & Practice	Regression analysis							
15	Theoretical & Practice	Time series analysis							
16	Final Exam	Final exam							

Workload Calculation				
Activity Quantity Prepa		Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	1	0	10	10
Individual Work	1	0	15	15
Midterm Examination	1	15	1	16



Final Examination	1	16	1	17
		To	tal Workload (Hours)	100
		Total Workload (Hours) / 25*] = ECTS	4
*25 hour workload is accepted as 1 ECTS				

Lear	ing Outcomes
1	Knows the basic concepts used in statistics, and comment.
2	In the data set, makes comment about the distribution.
3	Makes presentation of the data set with table or graphic.
4	Makes the analysis of the relationships between variables.
5	Knows the sampling methods.
6	The many example can be created from the population.

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Progr	ramme 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.

Contri	bution	of Lea	rning (Outcon	nes to l	Prograi	nme O	utcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High
	L1	L2	L3	L4	L5	L6		
P9	5	5	5	5	5	5		

