

VET-BIOSTATISTICS

1	Course Title:	VET-BIOSTATISTICS
2	Course Code:	SEB6001
3	Type of Course:	Compulsory
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. Ender UZABACI
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	Dr.Öğr.Üyesi Ender UZABACI carkungoz@uludag.edu.tr, euzabaci@gmail.com +90 224 2941214 Uludağ Üniversitesi Veteriner Fakültesi A Blok Biyometri AD Görükle Bursa 16059
17	Website:	
18	Objective of the Course:	Providing basic information about the importance of statistics in their field and the use of statistical methods in scientific studies to students enrolled in graduate programs affiliated to the Faculty of Veterinary Medicine
19	Contribution of the Course to Professional Development:	Determining, applying and interpreting the results of statistical methods used in scientific research in the field of veterinary medicine
20	Learning Outcomes:	
	1	Learning the statistical concepts used in research,
	2	Planning the research,
	3	Determining the sample size for research,
	4	Organizing study data for analysis,
	5	Determination of statistical methods suitable for the study,
	6	Gaining the ability to analyze data with statistical package programs,
	7	Gaining the ability to interpret and report analysis results
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Uses of Statistics in Veterinary Medicine	Presentation of package programs
2	Terms and Definitions Used in Statistics	Data entry in package programs

3	Measures Describing Distributions	Calculation of statistics describing distributions in package programs
4	Theoretical Distributions	Application of theoretical distributions in package programs
5	Sampling Methods, Determination of Sample Size	Determining the sample size
6	Parametric and Nonparametric Tests, Selection of the Test According to the Data	Selection of the appropriate test in package programs
7	Parametric Tests (Significance Test for Two Means and Two Pairs)	Application of parametric tests in package programs
8	Parametric Tests (Analysis of Variance and Analysis of Variance in Repeated Measures)	Application of parametric tests in package programs
9	Nonparametric Tests (Mann Whitney U test and Wilcoxon Test)	Application of nonparametric tests in package programs
10	Nonparametric Tests (Kruskal Wallis Test and Friedman test)	Application of nonparametric tests in package programs
11	Chi-square distribution and Chi-square test	Application of Chi-square test in package programs
12	Regression Analysis	Application of Regression Analysis in package programs
13	Correlation Analysis	Application of Correlation Analysis in package programs
14	Trial Planning and Experiment Design Creation	Creating Experiment Design

22	Textbooks, References and/or Other Materials:	1)Statistical Packages for Social Sciences (SPSS) 2)Özdamar K. Paket Programlar ile İstatistiksel Veri Analizi 1, Kaan Kitapevi, 2004. 3)Özdamar K. Paket Programlar ile İstatistiksel Veri Analizi
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Activites			Number	Duration (hour)	Total Work Load (hour)
23 Assessment			14	2.00	28.00
Practicals/Labs			14	2.00	28.00
Self study and preparation	0	0	14	5.00	70.00
Homeworks		0		0.00	0.00
Projects		0	0	0.00	0.00
Field Studies		0		0.00	0.00
Midterm exams	1	1	0	0.00	0.00
Others		0		0.00	0.00
Final Exams		1		30.00	30.00
Total Work Load					156.00
Total work load/ 30 hr			100.00		5.20
ECTS Credit of the Course					5.00

Course		
24	ECTS / WORK LOAD TABLE	

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	4	1	1	1	1	4	1	1	4	1	1	0	0	0	0
ÖK2	4	4	1	1	1	1	4	1	1	4	1	1	0	0	0	0
ÖK3	4	4	1	1	1	1	4	1	3	4	1	1	0	0	0	0

ÖK4	4	4	1	1	1	1	4	1	2	4	1	1	0	0	0	0
ÖK5	4	4	1	1	1	1	4	1	3	4	1	1	0	0	0	0
ÖK6	4	4	1	1	1	1	4	1	1	4	1	1	0	0	0	0
ÖK7	4	4	1	1	1	1	4	1	1	4	1	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			