NEAR EAST UNIVERSITY
Faculty of Veterinary Medicine Course Curriculum

1.	**Course Title**	BIOSTATISTICS, PRINCIPLES OF RESEARCH AND PUBLICATION ETHICS
2.	**Course Code**	VTE110
3.	**Type of Course**	Compulsory
4.	**Course Level**	Undergraduate
5.	**Year Given**	1
6.	**Semester Given**	Spring, 2VET
7.	**ECTS Credits**	3
8.	**National Credits**	3
9.	**Theoretical Lesson Hours (hours/week)**	2
10.	**Practical Class Hours (hours/week)**	2
11.	**Course Prerequisite**	None
12.	**Other Recommended Considerations for the Course**	None
13.	**Course Language**	English
14.	**Mode of Delivery of the Course**	Face to Face
15.	**Course Coordinator**	Assoc. Prof. Dr. Wayne J Fuller
16.	**Other Lecturers**	None
17.	**Coordinator's Contact Information**	wayne.fuller@neu.edu.tr
18.	**Course Website**	
19.	**The aim of the course**	To give students the ability to confidently analyse and present experimental data. Also to understand the basic principles of good experimental design and the ethical consideration required for scientific research.
20.	**Contribution of the Course to Professional Development**	To provide students with the necessary knowledge that enables them to confidently design their own research, incorporating the appropriate statistical methods and analyse the results of published research. Additionally, the course will allow students to become familiar with the best practices related to presenting data and analysis results.

21.	**Course Learning Outcomes**	**LO1**	Students will learn basic principles scientific research methodology
		LO2	The ability to analyse and present different types of data
		LO3	Understand the considerations required to perform ethical scientific research
		LO4	
		LO5	
		LO6	

22.	**Course Content**	**WEEK**	**THEORETICAL CONTENT**	**APPLICATION CONTENT**
		1.	Introduction to Statistics	
		2.	Data types, recording, accuracy and precision	
		3.	Analysing and presenting measures of Central Tendency	
		4.	Analysing and presenting measures of Data Variation	
		5.	Data Distributions, Kurtosis, Skewedness and Frequency analysis	
		6.	Pearson's r correlation, Linear and Curve linear regressions	
		7.	Students t test	
		8.	Analysis of Variation (ANOVA) and non-parametric tests	
		9.	Experimental Design	
		10.	Research Ethics	
		11.	Animal Research Ethics	
		12.	Publicising Research	
		13.	Academic Writing	
		14.	Overview of Publication and Research Ethics	
23.	**Textbook, References and/or Other Resources**	1. Lecture Notes		

24.	**Evaluation**	**SEMESTER STUDIES**	**NUMBER**	**PERCENTAGE**
		Midterm	1	40
		Quiz		

		Assignment Performance		
		Final Exam	1	60
		Total		100
		Evaluation Approaches	Classic Exam Style Questions	

		Activity	**Number**	**Duration [Hours]**	**Total Workload [Hours]**
		Theoretical Courses	14	2	28
		Applied Courses	14	2	28
		Out of Class Study Time (Pre-study, reinforcement)	14	2	28
	ECTS / Workload Table	Assignments, Performances			
		Projects			
		Field studies			
		Midterm Exam	1	1	1
		Other	1	4	4
		Final Exam	1	1	1
		Total Workload			90
		Total Workload / 30 hours			90/30
25.		ECTS Credits of the Course			3