



NEAR EAST UNIVERSITY
Faculty of Veterinary Medicine Course Teaching Plan

1.	Name of the Course	LABORATORY ANIMALS
2.	Course Code	VTE346
3.	Course Type	Elective
4.	Course Level	Undergraduate
5.	Year	3
6.	Semester/Term	Spring, 6VET
7.	ECTS credits	2
8.	National Credits	2
9.	Theory (hours/week)	1h/week
10.	Practice (hours/week)	2h/week
11.	Prerequisites	None
12.	Other Recommended Considerations for the Course	None
13.	Course Language	English
14.	Teaching type	Face to face
15.	Course Coordinator	Prof. Dr. Dilek ARSOY
16.	Other Lecturers	-
17.	Coordinator's Contact Information	Near East University, Faculty of Veterinary Medicine Department of Animal Science, Nicosia / TRNC E-mail: dilek.arsoy@neu.edu.tr darsoy@gmail.com
18.	Website of the course	
19.	Objectives of the Course	To learn how to raise laboratory animals with healthy and appropriate methods.
20.	Contribution of the Course to Professional Development	To raise the laboratory animals used in research in a healthy and qualified way and to be able to make the necessary applications.

21.	Students' Learning Outcomes	LO1	Able to understand related concepts/theories Will be able to discuss the validity of related concepts/theories
		LO2	Will be able to apply related concepts/theories to real life/other given situations/cases Will be able to critically analyse the real-life applications of related concepts/theories.
		LO3	Will be able to develop/create a new approach Able to carry out given work independently Able to work as a group on a given work
		LO4	Different concepts and theories to create their own unique approaches, able to synthesize
		LO5	Preparation for the presentation(s) Evaluate their own work according to the given criteria.
		LO6	Will appreciate the value of learning Able to develop targeted skills

21.	Course Content	WEEK	THEORETICAL COURSE CONTENT	PRACTICE CONTENT
		1.	General characteristics of laboratory animals and Bioethics	Visit to experimental animals lab
		2.	Standardization	
		3.	Effective Physical and Chemical Factors and Health Protection in Laboratory Animal Production	On-site examination of production techniques
		4.	Breeding Methods	Cage enrichment
		5.	Identified animals and their shelters	Lab animal welfare criteria
		6.	Model animal	
		7.	Mouse	Methods of holding animals, restraint
		8.	Midterm exam	
		9.	Rat	blood collection techniques
		10.	Guinea pig	Methods of holding animals, restraint blood collection techniques
		11.	Gerbil	blood collection techniques
		12.	Hamster	
		13.	Rabbit	
		14.	Examples of use of Lab Animals in research	Discussing research examples

22.	Textbooks, References and/or Other Sources	1. Poyraz, Ö. (2004). Laboratuvar Hayvanları Yetiştiriciliği Ders Notu, Ankara. 1. Arrington L.R. 1972.Introduction laboratory animal science. The breeding care and management of experimental Animals.The interstate printers .Danville.USA.
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23.	Evaluation	SEMESTER STUDIES	NUMBER	PERCENTAGE OF CONTRIBUTION
		Midterm exam	1	40
		Quiz	-	-
		Assignments, Performances	-	-
		Final exam	1	60
		Total	2	100
		Evaluation Approaches	Exams are made in written form as multiple choice and/or classic (short answer) questions.	

24.	ECTS / Student's workload				
		Activity	NUMBER	Time [hours]	Total workload [hours]
		Class hours (theoretical)	14	1	14
		Practical hours	14	2	28
		Out of Class Study Time (Pre-study, reinforcement)			
		Assignments, Performances	2	8	16
		Projects			
		Field studies			
		Midterm exams	1	1	1
		Other			
		Final exams	1	1	1
		Total workload			60
		Total workload / 30 hours			60/30
		ECTS credits of the lecture			2