

2024-2025

VETERINARY EPIDEMIOLOGY

UNIVERSITY OF ZAGREB
FACULTY OF VETERINARY MEDICINE
Heinzelova 55
Tel. 01/ 2390133
Division: Veterinary Public Health and Food Safety
Department / Clinic: Department of Veterinary Economics and Epidemiology



190599	REPUBLIKA HRVATSKA		
Veterinarski fakultet u Zagrebu			
Primljeno:	05.09.2024		
Klasifikacijska oznaka	Org. jed.		
602-04/24-22/38	251-61-41;251-61-32;		
Urudžbeni broj	Prilozi	Vrijednost	
251-61-23-24-42	0	-	

COURSE SYLLABUS

Course name: VETERINARY EPIDEMIOLOGY

Academic year 2024-25

Course leader: Assoc. Prof Dean Konjević, Dipl. ECZM

Teachers: Prof Marina Pavlak
Assist. Prof Denis Cvitković, MBA

Associate teachers:

First day of classes: 29.11.2024.

Last day of classes: 24.01.2025.

29.8.2024

Activities - Veterinary epidemiology (1/2)								
Start Date	Start T	End Ti	Subject	Group	Note	Length	Instructor	Room
29/11/2024	12:30	14:00	p01 General concept of epidemiology	9E-1, 9E-2, 9E-3		1:30	Pavlak M.	P_fizika
03/12/2024	12:30	14:00	p02 Observational study	9E-1, 9E-2, 9E-3		1:30	Konjević D.	P_fizika
04/12/2024	11:00	12:30	v01 Surveillance and monitoring I	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
11/12/2024	15:45	17:15	v02 Surveillance and monitoring II	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
13/12/2024	15:00	16:30	v03 Surveillance and monitoring III	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
19/12/2024	14:15	15:45	v04 Surveillance and monitoring IV	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
07/01/2025	8:15	9:45	v05 Surveillance and monitoring V	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
13/01/2025	14:45	16:15	v06 Applied epidemiology I	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
16/01/2025	7:45	9:15	v07 Applied epidemiology II	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
16/01/2025	13:00	14:30	v08 Col Apllied epidemiology	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
20/01/2025	7:30	9:00	v09 Apllied epidemiology and analytics I	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
21/01/2025	7:45	9:15	v10 Apllied epidemiology and analytics II	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
23/01/2025	8:15	9:45	v11 Apllied epidemiology and analytics III	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija

29.8.2024.

Activities - Veterinary epidemiology (2/2)								
Start Date	Start T	End Ti	Subject	Group	Note	Length	Instructor	Room
24/01/2025	9:30	11:00	v13 Critical reading	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
24/01/2025	14:30	16:00	v12 Cooquium	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
Total: 15						22:30		

STUDENT OBLIGATIONS

Lecture attendance	Four hours of lectures in total (minimum of 2 hours must be attended). The maximum number of points is 6. The minimum number of points that must be achieved is 3.
Seminars attendance	
Practicals attendance	26 hours of exercises in total, student must be present at minimum of 18 hours. The maximum number of points that can be collected by attending the exercises is 12.
Active participation in seminars and practicals	Each student will actively work on the program and written assignments during the exercises. The minimum number of activity points to be collected is 5, and the maximum is 10.
Final exam	The written and oral exam -maximum number of points 40, and minimum 24.
Examination requirements	Student requirements are defined in the Regulations on the Integrated Undergraduate and Graduate Study of Veterinary Medicine. Given the above, the student must acquire a minimum number of points from all assessment elements in order to sit the final exam. Article 41: a student can justifiably be absent from up to 50 % of the lectures: 30% of the seminars and 30 % of the exercises.

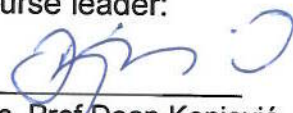
OBJECTIVES AND LEARNING OUTCOMES

Course objectives	Students will be able to identify methods used in epidemiologic studies and will learn how to apply them in different cases and situations. They will be able to describe the disease in population in relation to measurements of disease occurrence and how to find and explain errors as components of measurements as well as how to use appropriate methods for sampling. Students will be able to evaluate the diagnostic tests and to interpret them in relation to disease occurrence and applying the control strategy. They will know how to use the observational studies and to calculate and determine measures of association in population.
Learning outcomes	- to explain and formulate the basic epidemiological concepts - to collect, sort, classify the types of data - to explain, compare and choose the sample methods and to calculate/estimate sample size - to interpret and to evaluate the diagnostic tests and to use them in the surveillance program - to distinguish and to interpret the epidemiological studies as well as to interpret the measures of associations - to explain, compare and choose the epidemiological studies in order to calculate the measures of risk associations and to interpret the risk - to consider the use of epidemiological methods in implementation of preventive measures - to support the epidemiological methods into the public as well as animal health care programme/surveillance/preventive actions - to choose the epidemiological methods in biomedical research and decision making - to make own study design - to classify and to distinguish simulation methods and to explain the conceptual models

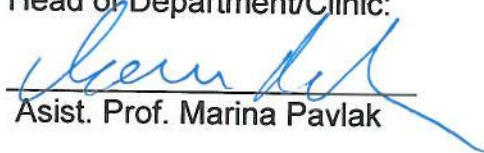
GRADING SCHEME

<i>Points</i>	<i>Grade</i>
Up to 59	1 (F)
60-68	2 (E)
69-76	2 (D)
77-84	3 (C)
85-92	4 (B)
93-100	5 (A)

Course leader:


Assoc. Prof. Dean Konjević

Head of Department/Clinic:


Asist. Prof. Marina Pavlak

Note: The course leader is required to submit a Course Syllabus to all teachers and associates pertaining to the Course.

Kolegii:

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH LECTURES,
SEMINARS and PRACTICALS**

Type of activity	Minimum number of points	Maximum number of points
Lectures attendance		
Seminar attendance		
Practicals attendance		
Active participation in seminars and practicals		
Continuous knowledge checking (mid-terms)		
Final exam		
TOTAL		

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH LECTURES and
PRACTICALS**

Type of activity	Minimum number of points	Maximum number of points
Lecture attendance	3	6
Practicals attendance	8	12
Active participation in practicals	5	10
Continuous knowledge checking (mid-terms)	20	32
Final exam	24	40 (written 30, and oral 10 points)
TOTAL	60	100

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH SEMINARS and
EXERCISES**

Type of activity	Minimum number of points	Maximum number of points
Seminar / practicals attendance		
Active participation in seminars and practicals		
Continuous knowledge checking (mid-terms)		
Final exam		
TOTAL		