

Course: Veterinary Epidemiology

UNIVERSITY OF ZAGREB
FACULTY OF VETERINARY MEDICINE
Heinzelova 55
Tel. 01/2390 131
Division: Veterinary Public Health and Food Safety
Organizational unit: Department of Veterinary Economics and Epidemiology
E-mail of the course leader: dean.konjevic@vef.unizg.hr
Register No of the organisational unit: 44/25
Zagreb, 3/10/2025



209460	REPUBLIKA HRVATSKA	
Veterinarski fakultet u Zagrebu		
Primljeno:	03.10.2025	
Klasifikacijska oznaka	Org. jed.	
602-04/25-22/34	251-61-41/251-61-32;	
Uredbeni broj	Prilozi	Vrijednost
251-61-23-25-79	0	-

COURSE SYLLABUS

Veterinary Epidemiology
Academic year 2025/2026

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

Deputy course leader: Full Prof. Marina Pavlak

Teachers: Full Prof. Marina Pavlak, Full Prof. Dean Konjević, Dipl. ECZM, Assist. Prof. Denis Cvitković

First day of classes: 28/11/2025

Last day of classes: 23/1/2026

Activities - Veterinary epidemiology (1/2)									
Start Dat	Start	End	Subject	Subject	Group	Note	Length	Instructor	Room
28/11/2025	12:30	14:00	Veterinary epidemiology	p01 General concept of epidemiology	9E-1, 9E-2, 9E-3		1:30	Pavlak M.	P_patologija
03/12/2025	10:00	11:30	Veterinary epidemiology	p02 Observational study	9E-1, 9E-2, 9E-3		1:30	Konjević D.	P_fizika
03/12/2025	11:45	13:15	Veterinary epidemiology	v01 Surveillance and monitoring I	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
04/12/2025	13:00	14:30	Veterinary epidemiology	v02 Surveillance and monitoring II	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
12/12/2025	15:15	16:45	Veterinary epidemiology	v03 Surveillance and monitoring III	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
22/12/2025	15:15	16:45	Veterinary epidemiology	v04 Surveillance and monitoring IV	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
08/01/2026	14:45	16:15	Veterinary epidemiology	v05 Surveillance and monitoring V	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
09/01/2026	15:00	16:30	Veterinary epidemiology	v06 Applied epidemiology I	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
12/01/2026	15:00	16:30	Veterinary epidemiology	v07 Applied epidemiology II	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
14/01/2026	13:30	15:00	Veterinary epidemiology	v08 Col Apllied epidemiology	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
14/01/2026	13:30	15:00	9 ENG	Veterinary epidemiology		Kolokvij	1:30	Konjević D.	P_fiziologija

Activities - Veterinary epidemiology (2/2)									
Start Dat	Start	End	Subject	Subject	Group	Note	Length	Instructor	Room
15/01/2026	14:30	16:00	Veterinary epidemiology	v09 Applied epidemiology and analytics I	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
19/01/2026	14:15	15:45	Veterinary epidemiology	v10 Applied epidemiology and analytics II	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
21/01/2026	11:30	13:00	Veterinary epidemiology	v11 Applied epidemiology and analytics III	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
22/01/2026	14:45	16:15	Veterinary epidemiology	v12 Cooquium	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
23/01/2026	8:15	9:45	Veterinary epidemiology	v13 Critical reading	9E-1, 9E-2, 9E-3		1:30	Nastavnici na predmetu	R_patofiziologija
Total: 16							24:00		

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.

GRADING AND EVALUATING STUDENT WORK

Continuous knowledge-checking (mid-terms)	During the continuous knowledge-checking (mid-terms), one colloquium will be held. A minimum of 20 points should be collected out of total 32 points
Final exams (dates)	02.02.2026.; 12.02.2026.
Form of final exam	Oral and written

LITERATURE

Obligatory literature	1. PAVLAK, M. (2014): Osnove veterinarske epidemiologije. Veterinary Faculty University of Zagreb, web page. 2. THRUSFIELD, M. (2007): Veterinary Epidemiology, 3rd edn. Blackwell Publishing, Oxford, UK. 3. PFEIFFER, D. U. (2002): Veterinary Epidemiology. Epidemiology Division, Department of Veterinary Clinical Science, The Royal Veterinary College, University of London, London, UK.
Optional literature	

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 and classify data types - to explain, compare and choose sample methods and to calculate/estimate sample size - to interpret and evaluate 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 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)
60-76	2 (D,E)
77-84	3 (C)
85-92	4 (B)
93-100	5 (A)

Course leader


Full Prof. Dean Konjević, Dipl. ECZM

Head of organizational unit:


Full Prof. Marina Pavlak

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

**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		