

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
 File no.: 61-33-70-23
 Zagreb, 06.09.2023.



170311	REPUBLIKA HRVATSKA	
Veterinarski fakultet u Zagrebu		
Primljeno:	07.09.2023	
Klasifikacijska oznaka	Org. jed.	
605-03/23-04/28	251-61-32;	
Urudžbeni broj	Prilozi	Vrijednost
251-61-23/307-23-12	0	-

COURSE SYLLABUS

Course name: VETERINARY EPIDEMIOLOGY

Academic year 2023-24

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

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

Associate teachers:

First day of classes: 13.11.2023.

Last day of classes: 01.12.2023.

Activities - Veterinary epidemiology (1/2)							
Start Dat	Start Tim	End Time	Subject	Group	Instructor	Room	Length
13/11/2023	14:00	15:30	p01 General concept of epidemiology	9E-1, 9E-2	Pavlak M.	P_fizika	1:30
14/11/2023	8:15	9:45	p02 Observational study	9E-1, 9E-2	Konjevic D.	P_fizika	1:30
14/11/2023	12:30	14:00	v01 Surveillance and monitoring I	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
15/11/2023	9:00	10:30	v02 Surveillance and monitoring II	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
16/11/2023	14:20	15:50	v03 Surveillance and monitoring III	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
20/11/2023	9:00	10:30	v04 Surveillance and monitoring IV	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
21/11/2023	12:00	13:30	v05 Surveillance and monitoring V	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
22/11/2023	8:00	9:30	v06 Applied epidemiology I	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
23/11/2023	8:00	9:30	v07 Applied epidemiology II	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
24/11/2023	13:30	15:00	v09 Applied epidemiology and analytics I	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30

Activities - Veterinary epidemiology (2/2)							
Start Dat	Start Tim	End Time	Subject	Group	Instructor	Room	Length
27/11/2023	15:45	17:15	v10 Applied epidemiology and analytics II	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
28/11/2023	8:00	9:30	v08 Col Applied epidemiology	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
29/11/2023	8:30	10:00	v11 Applied epidemiology and analytics III	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
30/11/2023	8:45	10:15	v12 Cooquium	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
01/12/2023	14:15	15:45	v13 Critical reading	9E-1, 9E-2	Nastavnici na predmetu	R_patofiziologija	1:30
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 (2023.). 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)	09.02.2024., 19.02.2024.
Form of final exam	Oral and written

LITERATURE

Obligatory literature	<ol style="list-style-type: none"> 1. Pavlak, M.: Osnove veterinarske epidemiologije. Veterinary Faculty University of Zagreb, web page, 2014. 2. Thrusfield, M.: Veterinary Epidemiology 3. Pfeiffer, D. U: Veterinary Epidemiology. Epidemiology Division, Department of Veterinary Clinical Science, The Royal Veterinary College, University of London, 2002.
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 interpret the basic epidemiological concepts. Identifying the types of data and collecting, sorting and processing of data. To distinguish and calculate the measures of the epidemiological assessment of disease occurrence and association. Risk interpretation. Evaluation of diagnostic testing and interpretation of sensitivity, specificity and predictive values of the diagnostic test. Participation in the implementation of preventive measures. Participation in the planning of programs of animal health care. Application of epidemiological methods in research.

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:



Head of Department/Clinic:



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

Kolegij:

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		