

2025-2026

VETERINARY ECONOMICS

UNIVERSITY OF ZAGREB
FACULTY OF VETERINARY MEDICINE
Heinzelova 55
Department of Veterinary Economics and Epidemiology
Zagreb, 08.09.2025.



207166	REPUBLIKA HRVATSKA		
Veterinarski fakultet u Zagrebu			
Primljeno:	09.09.2025		
Klasifikacijska oznaka	Org. jed.		
602-04/25-22/34	251-61-41;251-61-32;		
Urudžbeni broj	Prilozi	Vrijednos	
251-61-23-25-70	0	-	

COURSE SYLLABUS

Course name: Veterinary Economics

Academic year 2025-26

Course leader: Asist. Prof. Denis Cvitković

Subject teachers: Prof. dr. sc. Marina Pavlak
Prof. dr. sc. Dean Konjević

Class start date: 29.09.2025.

Date of completion of classes: 13.11.2025.

Activities - Veterinary economics (1/4)									
Start Dat	Start	End	Subject	Subject	Group	Note	Length	Instructor	Room
29/09/2025	10:00	11:30	Veterinary economics	p01 Economics (concepts, historical development...)	11E-1, 11E-2, 11E-3		1:30	Cvitkovic D.	P_fizika
30/09/2025	10:00	11:30	Veterinary economics	p02 Medicine, activities	11E-1, 11E-2, 11E-3		1:30	Cvitkovic D.	P_kemija
30/09/2025	12:00	13:30	Veterinary economics	v01 Production and services factors (labour, capital, land...)	11E-1		1:30	Nastavnici na predmetu	V_histologija
01/10/2025	9:45	11:15	Veterinary economics	v01 Production and services factors (labour, capital, land...)	11E-2; 11E-3		1:30	Nastavnici na predmetu	P_fizika
01/10/2025	13:15	14:45	Veterinary economics	p03 Introduction to economic analysis	11E-1, 11E-2, 11E-3		1:30	Cvitkovic D.	P_amfiteatar
03/10/2025	11:00	12:30	Veterinary economics	v02 Theory of production and services	11E-1		1:30	Nastavnici na predmetu	V_histologija
06/10/2025	9:45	11:15	Veterinary economics	v02 Theory of production and services	11E-2; 11E-3		1:30	Nastavnici na predmetu	V_histologija
07/10/2025	11:00	12:30	Veterinary economics	p04 Supply and demand of veterinary services	11E-1, 11E-2, 11E-3		1:30	Cvitkovic D.	P_amfiteatar

Activities - Veterinary economics (2/4)									
Start Dat	Start	End	Subject	Subject	Group	Note	Length	Instructor	Room
09/10/2025	8:15	9:45	Veterinary economics	p05 Elasticity of supply and demand	11E-1, 11E-2, 11E-3		1:30	Cvitkovic D.	P_amfiteatar
09/10/2025	10:15	11:45	Veterinary economics	v03 Productivity laws	11E-1; 11E-2		1:30	Nastavnici na predmetu	V_histologija
09/10/2025	13:45	15:15	Veterinary economics	v03 Productivity laws	11E-2		1:30	Nastavnici na predmetu	V_histologija
10/10/2025	9:15	10:45	Veterinary economics	v04 Costs theory	11E-2		1:30	Nastavnici na predmetu	V_histologija
10/10/2025	11:00	12:30	Veterinary economics	v04 Costs theory	11E-1		1:30	Nastavnici na predmetu	V_histologija
15/10/2025	12:00	13:30	Veterinary economics	v05 Calculations in veterinary medicine	11E-1		1:30	Nastavnici na predmetu	V_histologija
16/10/2025	11:00	12:30	Veterinary economics	v05 Calculations in veterinary medicine	11E-2; 11E-3		1:30	Nastavnici na predmetu	V_histologija
28/10/2025	13:30	15:00	Veterinary economics	v06 Economic measures of efficiency	11E-2; 11E-3		1:30	Nastavnici na predmetu	V_histologija
29/10/2025	12:45	14:15	Veterinary economics	v06 Economic measures of efficiency	11E-1		1:30	Nastavnici na predmetu	V_histologija
30/10/2025	10:00	11:30	Veterinary economics	v07 Economic methods in assessing damages caused by diseases	11E-2; 11E-3		1:30	Nastavnici na predmetu	V_histologija

Activities - Veterinary economics (3/4)									
Start Dat	Start	End	Subject	Subject	Group	Note	Length	Instructor	Room
03/11/2025	13:00	14:30	Veterinary economics	v07 Economic methods in assessing damages caused by diseases	11E-1		1:30	Nastavnici na predmetu	V_histologija
05/11/2025	8:00	9:30	Veterinary economics	v08 Project engineering of control systems for particular diseases	11E-2; 11E-3		1:30	Nastavnici na predmetu	V_histologija
06/11/2025	11:00	12:30	Veterinary economics	v08 Project engineering of control systems for particular diseases	11E-1		1:30	Nastavnici na predmetu	V_histologija
11/11/2025	11:30	13:00	Veterinary economics	v09 Theory of probability and decision analysis	11E-1		1:30	Nastavnici na predmetu	V_histologija
12/11/2025	12:30	14:00	Veterinary economics	v09 Theory of probability and decision analysis	11E-2; 11E-3		1:30	Nastavnici na predmetu	V_histologija
13/11/2025	10:00	11:30	Veterinary economics	v10 Economic suitability assesment procedures of animal health protection programs and decision making	11E-2		1:30	Nastavnici na predmetu	V_histologija

Activities - Veterinary economics (4/4)									
Start Dat	Start	End	Subject	Subject	Group	Note	Length	Instructor	Room
13/11/2025	11:45	13:15	Veterinary economics	v10 Economic suitability assesment procedures of animal health protection programs and decision making	11E-1; 11E-3		1:30	Nastavnici na predmetu	V_histologija
Total: 25							37:30		

*** The teacher and all teachers participate in the teaching as agreed**

STUDENT OBLIGATIONS

Lecture attendance	10 hours of lectures, minimum 5 hours must be present. The maximum number of points is 6. The minimum number of points that students must achieve is 3.
Practicals attendance	20 hours of exercises, minimum 14 hours must be present. The maximum number of points that can be collected during 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 points to be collected is 5, and the maximum is 10.
Final exam	The final exam will be held in written form
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 take 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)	21.11.2025.; 05.02.2026.; 13.02.2026.
Form of final exam	written

LITERATURE

Obligatory literature	Rushton, J. (2009): The Economics of Animal Health and Production. CABI.
Optional literature	Nordhaus W. D., Samuelson P .A. (2006): Economics. Cram101 Incorporated

OBJECTIVES AND LEARNING OUTCOMES

Course objectives	Writing and presenting one seminar paper in consultation with course advisor. Make control programs of single infectious and parasitic disease and animal health protection program, using recommended epidemiologic and econometric methods. Estimate damages caused by particular diseases and evaluate disease control programs.
Learning outcomes	After a succesful completion of Veterinary Economics course student will be able to differentiate basic economic terms explain the laws of production and economic success indicators interpret criteria in decision analysis differentiate and classify costs make veterinary calculations explain economic methods of loss assessment due to animal disease interpret economic assessment procedures in animal health protection programs and decision making model a systematic animal health protection program

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:



Asist. Prof. Denis Cvitković

Head of Department/Clinic:



Prof. dr. sc. 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	3	6
Seminar attendance	4	6
Practicals attendance	4	6
Active participation in seminars and practicals	5	10
Continuous knowledge checking (mid-terms)	20	32
Final exam	24	40
TOTAL	60	100

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

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
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	11	18
Active participation in seminars and practicals	5	10
Continuous knowledge checking (mid-terms)	20	32
Final exam	24	40
TOTAL	60	100