

UNIVERSITY OF ZAGREB
 FACULTY OF VETERINARY MEDICINE
 Heinzelova 55
 Department of Veterinary Economics and Epidemiology
 Register no.: 61-33-72-23
 Zagreb, 06.09.2023.



170312	REPUBLIKA HRVATSKA	
Veterinarski fakultet u Zagrebu		
Primljeno:	07.09.2023	
Klasifikacijska oznaka	Org. jed.	
605-03/23-04/28	251-61-32;	
Uredžbeni broj	Prilozi	Vrijednost
251-61-23/307-23-13	0	-

COURSE SYLLABUS

Course name: Veterinary Economics

Academic year 2023-24


Course leader: doc. dr. sc. Denis Cvitković

Subject teachers: prof. dr. sc. Marina Pavlak
 izv. prof. dr. sc. Dean Konjević

Collaborators on the case:

Class start date: 03.10.2023.

Date of completion of classes: 22.11.2023.

OG, RUJNA 2023. 

Activities - Veterinary economics (1/4)							
Start Dat	Start Tim	End Time	Subject	Group	Instructor	Room	Length
03/10/2023	14:00	15:30	p01 Economics (concepts, historical development...)	11E-1, 11E-2	Cvitkovic D.	P_fizika	1:30
04/10/2023	8:15	9:45	p02 Medicine, activities	11E-1, 11E-2	Cvitkovic D.	P_fizika	1:30
05/10/2023	12:00	13:30	v01 Production and services factors (labour, capital, land...)	11E-1	Nastavnici na predmetu	P_farmakologija	1:30
06/10/2023	10:00	11:30	v01 Production and services factors (labour, capital, land...)	11E-2	Nastavnici na predmetu	P_farmakologija	1:30
09/10/2023	14:00	15:30	p03 Introduction to economic analysis	11E-1, 11E-2	Cvitkovic D.	P_fiziologija	1:30
13/10/2023	7:30	9:00	p04 Supply and demand of veterinary services	11E-1, 11E-2	Cvitkovic D.	P_fizika	1:30
16/10/2023	14:00	15:30	v02 Theory of production and services	11E-1	Nastavnici na predmetu	P_fiziologija	1:30

06. RUJNA 2023. 

Activities - Veterinary economics (2/4)							
Start Dat	Start Tim	End Time	Subject	Group	Instructor	Room	Length
17/10/2023	14:00	15:30	v02 Theory of production and services	11E-2	Nastavnici na predmetu	P_fiziologija	1:30
23/10/2023	12:00	13:30	v03 Productivity laws	11E-1	Nastavnici na predmetu	V_histologija	1:30
24/10/2023	10:00	11:30	v03 Productivity laws	11E-2	Nastavnici na predmetu	V_histologija	1:30
31/10/2023	12:00	13:30	p05 Elasticity of supply and demand	11E-1, 11E-2	Cvitkovic D.	P_amfiteatar	1:30
13/11/2023	10:00	11:30	v04 Costs theory	11E-1	Nastavnici na predmetu	P_fizika	1:30
13/11/2023	12:00	13:30	v04 Costs theory	11E-2	Nastavnici na predmetu	P_fizika	1:30
14/11/2023	8:15	9:45	v05 Calculations in veterinary medicine	11E-1	Nastavnici na predmetu	P_fiziologija	1:30
14/11/2023	10:00	11:30	v05 Calculations in veterinary medicine	11E-2	Nastavnici na predmetu	P_fiziologija	1:30
15/11/2023	8:15	9:45	v06 Economic measures of efficiency	11E-1	Nastavnici na predmetu	P_fizika	1:30

OG. RUJNA 2023. 

Activities - Veterinary economics (3/4)							
Start Dat	Start Tim	End Time	Subject	Group	Instructor	Room	Length
15/11/2023	10:00	11:30	v06 Economic measures of efficiency	11E-2	Nastavnici na predmetu	P_fiziologija	1:30
16/11/2023	8:15	9:45	v07 Economic methods in assessing damages caused by diseases	11E-1	Nastavnici na predmetu	P_fizika	1:30
16/11/2023	10:00	11:30	v07 Economic methods in assessing damages caused by diseases	11E-2	Nastavnici na predmetu	P_fiziologija	1:30
20/11/2023	8:15	9:45	v08 Project engineering of control systems for particular diseases	11E-1	Nastavnici na predmetu	P_fizika	1:30
20/11/2023	10:00	11:30	v08 Project engineering of control systems for particular diseases	11E-2	Nastavnici na predmetu	P_farmakologija	1:30

06. RUJNA 2023. 

Activities - Veterinary economics (4/4)								
Start Dat	Start Tim	End Time	Subject	Group	Instructor	Room	Length	
21/11/2023	10:00	11:30	v09 Theory of probability and decision analysis	11E-1	Nastavnici na predmetu	P_fizika	1:30	
21/11/2023	12:00	13:30	v09 Theory of probability and decision analysis	11E-2	Nastavnici na predmetu	P_fizika	1:30	
22/11/2023	8:15	9:45	v10 Economic suitability assesment procedures of animal health protection programs and decision making	11E-1	Nastavnici na predmetu	P_amfiteatar	1:30	
22/11/2023	13:00	14:30	v10 Economic suitability assesment procedures of animal health protection programs and decision making	11E-2	Nastavnici na predmetu	P_mikrobiologija	1:30	
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)	
Final exams (dates)	16.11.2023., 05.02.2024., 14.02.2024.
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 successful completion of Veterinary Economics course student will be able to interpret basic economic terms, explain the laws of production and economic success indicators, explain and interpret criteria in decision analysis, recognize and assign costs, make veterinary calculations, apply economic methods of loss assessment due to animal disease, apply economic assessment procedures on animal health protection programs and decision making, draft 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:

Asist. Prof. Denis Cvitković

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