Module title:	Veterinary economics	ECTS	1
Polish translation:	Ekonomika weterynaryjna		
Course:	**Veterinary Medicine**		

Module language: English		Stage: JM-FVM	
Form of studies: ■ intramural ☐ extramural	Type of module: ☐ basic ■ directional ■ mandatory ☐ elective	Semester: 3	■ winter semester ☐ summer semester
	Academic year:	**2023/2024**	Catalogue number: **FVM-V-JMSS-03W-D32_23**

Module coordinator:	Dr hab. Mariusz Maciejczak
Teachers responsible for the module:	Academic teachers of the Institute of Economics and Finance
Objectives of the module:	The course develops knowledge in the field of veterinary economics with the special focus on the on-farm economics and the economic issues beyond the farm level. It also develops and enhances practical professional skills of evaluation of economic and social implications of the veterinary practice in changing environment. During the course student develops personal competences in the fields of economic behaviour and will be able also to critically evaluate personal actions and actions of others to improve proposed solutions. Detailed issues: 1. Principles of economics as a social science (2 h) 2. Livestock production and pets keeping as the sectors of an economy (2 h) 3. Issues of sustainable livestock production and trade, incl. animal welfare economics (2 h) 4. Innovations and biosecurity in livestock production and health (2 h) 5. Economics of livestock production at the farm level (3 h) 6. Economics of running the vet practice – direct, indirect, opportunity, transactional costs (2 h) 7. Economics of running the vet practice – profit maximization strategies (2 h)
Teaching forms, number of hours:	Lectures; hours 15
Teaching methods:	Lectures, group works, case study, problem solving, projects, discussions, peer evaluations. Detailed schedule will be defined by the coordinator of the course at the beginning of semester. Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.
Formal prerequisites and initial requirements:	none

Learning effects		Course outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*
Knowledge:	1	Graduate knows and understands economic processes of animal production and pets keeping (LO1)	BW.22	1
	2			
Skills:	1	Graduate is able to evaluate complex socio-economic system implications of veterinary practice (LO2)	AU.18	1
	2			
Competences:	1	Graduate is prepared to critically evaluate personal actions and actions of others to improve professional conduct (LO3)	KS.6	1
	2			

Objectives of the module required to obtain learning effects:				
Assessment methods:		Essay solving given problem (assessment based on compliance with the topic, correct reasoning, formulation of opinions, conducting discussions) – LO1. Project for a chosen case study (assessment based on compliance with the topic, correct calculations, formulation of opinions) – LO2. Peer evaluation (assessment based on formulation of substantive opinions) – LO3. No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.		
Detail description of assessment methods; Formal documentation of learning outcome:		eHMS entry. Records collected in the course portfolio (individual records of student results, presence lists, written assessments of the students).		
Elements impelling final grade:		Essay solving given problem – 40% Project for a chosen case study – 40% Peer evaluation – 20%		
Teaching base:		Classrooms of the Institute of Veterinary Medicine		
Mandatory and supportive materials : 1. Rushton, Jonathan (ed.). 2009: The Economics of Animal Health and Production. CABI, Oxford, UK 2. Philip K. Thornton. 2010: Livestock production: recent trends, future prospects. Phil. Trans. R. Soc. B (2010) 365, pp. 2853–2867 3. Rushton Jonathan. 2013: An overview of analysis of costs and benefits of government control policy options. In: Livestock disease policies: building bridges between animal sciences and economics. Organisation for Economic Co-operation and Development, Paris 4. Clem Tisdell. 2006: Economics of Controlling Livestock Diseases: Basic Theory. Working papers on economics, ecology and the environment No. 134, School of Economics, The University of Queensland, Brisbane, Australia, November 2006 5. James Pritchett, Dawn Thilmany, Kamina Johnson. 2005: Animal Disease Economic Impacts: A Survey of Literature and Typology of Research Approaches. International Food and Agribusiness Management Review Volume 8, Issue 1, 2005, pp. 23-45 6. Galligan D. 2006: Economic assessment of animal health performance. Vet Clin North Am Food Anim Pract. 2006 Mar;22(1):207-27. 7. Babo Martins S, Rushton J. 2014: Cost-effectiveness analysis: adding value to assessment of animal health welfare and production. Rev Sci Tech. 2014 Dec;33(3):681-9. 8. VETERINARY ECONOMICS. Issn: 0042-4862 http://veterinarybusiness.dvm360.com/sourceissues				
ANNOTATIONS There might be required additional time to spend for reading before the class.				

* 3 – complete and detailed, 2 – moderate, 1 – basic.

Quantitative summary of the module:

Estimated number of work hours per student (contact and self-study) essential to achieve presumed learning outcomes of the module - base for quantifying ECTS:	**25 h**
Total ECTS points, accumulated by students during contact learning:	**1 ECTS**