Module title:	Clinical virology	ECTS	1
Polish translation:	Wirusologia kliniczna		
Course:	**Veterinary Medicine**		

Module language: English		Stage: JM-FVM	
Form of studies: ■ intramural ☐ extramural	Type of module: ☐ basic ☐ mandatory ■ directional ■ elective	Semester: 8	☐ winter semester ■ summer semester
Academic year:	**2021/2022**	Catalogue number:	FVM-V-JMSS-08S-ED03_20

Module coordinator:	**Dr hab. Joanna Cymerys-Bulenda**
Teachers responsible for the module:	• **Dr hab. Joanna Cymerys-Bulenda (academic teacher of the Institute of Veterinary Medicine; Department od Preclinical Sciences).** • **Dr Anna Słońska-Zielonka (other specialists in the field of study, Institute of Veterinary Medicine; Department od Preclinical Sciences).** • **Academic teachers of the Institute of Veterinary Medicine; Department of Pathology and Veterinary Diagnostics; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study**
Unit responsible for the module:	**IVM, Department of Preclinical Sciences**
Faculty in charge:	**Faculty of Veterinary Medicine**
Objectives of the module:	Program of the course revolves around practical aspects of clinical virology. During seminars groups of students: - present review of scientific article concerning virological research (case report) of their choice - discuss and analyse the described clinical cases and choose the appropriate diagnostic procedure - discuss of procedures used during the epidemics of zoonotic viral diseases
Teaching forms, number of hours:	Seminars; hours 15;
Teaching methods:	Seminars prepared and presented by the student on chosen or drawn topic. The teacher moderates, gives an introduction and discusses clinical cases with students. 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:	Veterinary virology, Veterinary microbiology module 1 and 2 Knowledge and understanding of cell biology and basic knowledge in other natural sciences.

Learning outcomes:			
	Knowledge: The student knows how to interpret clinical data and cases. The student knows appropriate diagnostic procedure in the case of chosen viral diseases.	Skills: The student is able to choose proper diagnostic method and analyse of the results of diagnostic tests used in virology	Competences: The student is able to use available sources of information. The student is able to perform his own analyses, interpret results and draw conclusions.

Assessment methods:

During the course student can acquire 10 points from seminars (3 for technical and 5 for scientific merit) and up to 2 points for discussion during seminars.

points	grade	
5 and below	2	failed
5.5-6	3	sufficient
6.5-7	3.5	sufficient plus
7.5-8	4	good
8.5-9	4.5	very good
9.5-10	5	excellent

Student is entitled to 20% absences during the course.
No extra assessment methods are anticipated.
In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.

Formal documentation of learning outcomes:	eHMS entry. Records collected in the course portfolio i.e. individual records of student results, presence lists, database of oral and written questions, written assessments of the students.
Elements impelling final grade:	100% results acquired from the seminar and discussion
Teaching base:	Lecture facilities and laboratories of the Faculty of Veterinary Medicine

Mandatory and supportive materials :
1. Chosen scientific articles in the field of veterinary virology available on www.pubmed.com

2. Materials provided by teacher 3. Principles and Practice of Clinical Virology, Sixth Edition Edited by A. J . Zuckerman, J . E. Banatvala, B . D. Schoub, P. D. Griffiths and P. Mortimer © 2009 John Wiley & Sons Ltd. ISBN: 978-0-470-51799-4 4. Relevant scientific publications, including those of the module coordinator
ANNOTATIONS

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:	**15 h**
Total ECTS points, accumulated by students during contact learning:	**1 ECTS**

Learning outcomes of the module relative to the learning outcomes of the subject:

Outcome category	Learning outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*)
Knowledge -	The student knows how to interpret clinical data and cases.	B.W.6	3
Knowledge -	The student knows appropriate diagnostic procedure in the case of chosen viral diseases.	B.W.4	2
Skills -	The student is able to choose proper diagnostic method and analyse of the results of diagnostic tests used in virology.	B.U.6	3
Competences -	The student is able to use available sources of information.	KS.4	2
Competences -	The student is able to perform his own analyses, interpret results and draw conclusions.	KS.5	2