



SZKOŁA GŁÓWNA
GOSPODARSTWA
WIEJSKIEGO

Clinical virology

Educational subject description sheet

Basic information

Field of study Veterinary Medicine Speciality - Organizational unit Faculty of Veterinary Medicine Study level long-cycle Study form full-time studies Education profile General academic		Didactic cycle 2025/26 Subject code WETFVMS_D.580.01752.25 Lecture languages english Mandatory Elective subjects Block Major subjects Disciplines Veterinary medicine
Coordinator	Joanna Cymerys-Bulenda	
Teacher	Joanna Cymerys-Bulenda, Anna Słońska-Zielonka	
Period Semester 8	Examination Pass with grade Activities and hours Laboratory exercises: 15	Number of ECTS points 1

Goals

Code	Goal
C1	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

Entry requirements

Veterinary virology, Veterinary microbiology 2

Knowledge and understanding of cell biology and basic knowledge in other natural sciences.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	how to interpret clinical data and cases.	B.W1, B.W4, B.W5, B.W6	Assessment of speeches during classes, Assessment of activity during classes
W2	appropriate diagnostic procedure in the case of chosen viral diseases.	B.W4, B.W5	Assessment of speeches during classes, Assessment of activity during classes
Skills - Student can:			
U1	choose proper diagnostic method and analyse of the results of diagnostic tests used in virology.	B.U6	Assessment of speeches during classes, Assessment of activity during classes
U2	use available sources of information.	B.U19, B.U20	Assessment of speeches during classes, Assessment of activity during classes
U3	perform his own analyses, interpret results and draw conclusions.	B.U3	Assessment of speeches during classes, Assessment of activity during classes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	During the lectures students are receiving advanced information about clinical virology with special consideration to the role of virology within veterinary medicine. 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	W1, W2, U1, U2, U3	Laboratory exercises

Course advanced

Activities	Methods of conducting classes
Laboratory exercises	Discussion, Presentation, Teamwork

Activities	Examination method	Percentage
Laboratory exercises	Assessment of speeches during classes	60%
Laboratory exercises	Assessment of activity during classes	40%

Activities	Credit conditions
Laboratory exercises	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. 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.

Literature

Obligatory

1. 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
2. Chosen scientific articles in the field of veterinary virology available on www.pubmed.com

Optional

1. Materials provided by teacher

Calculation of ECTS points

Activity form	Activity hours*
Laboratory exercises	15
Conducting literature research	5
Preparing a report	10
Student workload	Hours 30
Number of ECTS points	ECTS 1

* hour means 45 minutes

Effects

Code	Content
B.U3	Absolwent potrafi przeprowadzać pełne badanie kliniczne zwierzęcia
B.U6	Absolwent potrafi pobierać i zabezpieczać próbki do badań oraz wykonywać standardowe testy laboratoryjne, a także prawidłowo analizować i interpretować wyniki badań laboratoryjnych
B.U19	Absolwent potrafi przeprowadzić dochodzenie epizootyczne w celu ustalenia okresu, w którym choroba zakaźna zwierząt mogła rozwijać się w gospodarstwie przed podejrzeniem lub stwierdzeniem jej wystąpienia, miejsca pochodzenia źródła choroby zakaźnej zwierząt wraz z ustaleniem innych gospodarstw oraz dróg przemieszczania się ludzi, zwierząt i przedmiotów, które mogły być przyczyną szerzenia się choroby zakaźnej do lub z gospodarstwa
B.U20	Absolwent potrafi korzystać ze zgromadzonych informacji związanych ze zdrowiem i dobrostanem zwierząt, a w wybranych przypadkach również z produktywnością stada
B.W1	Absolwent zna i rozumie zaburzenia na poziomie komórki, tkanki, narządu, układu i organizmu w przebiegu choroby
B.W4	Absolwent zna i rozumie zasady postępowania diagnostycznego, z uwzględnieniem diagnostyki różnicowej, oraz postępowania terapeutycznego
B.W5	Absolwent zna i rozumie zasady przeprowadzania badania klinicznego i monitorowania stanu zdrowia zwierząt
B.W6	Absolwent zna i rozumie sposób postępowania z danymi klinicznymi i wynikami badań laboratoryjnych i dodatkowych