Syllabus

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Module title:		Veterinary pharmacology - Module 2					EC.	ΓS	4		
Polish translation:			Farmakologia weterynaryjna - Moduł 2								
Course:			Veterinary M	Medicine 1							
Module lang	uage:		English			Stage:		1			
Form of ⊠ intramural studies: □ extramural		Type of ⊠ basic ⊠ mandatory module: □ directional □ elective			Semester: 6 ☐ winter ser ☐ summer s						
			Academic ye	ear:		2022/2023	Catalog		VM-V-J	MSS	-06S-
							number	В	37_22		
Module coor	dinator:		dr n. wet. Wo	ojciech Karlik							
Teachers resp module:	ponsible for th	e			ute of veterimary med acts; visiting professo) stu	dents in
	f the module:		Acquaintance with the deta anticancer) in indications a	e with chemotheray iled pharmacology ncluding. mechanis nd contraindication	peutics used in animal of all groups of chem sms of drug action, res ns, side effects, issues blements the content o	treatment and notherapeutics sistance mecha of drug residu	l principle (antibacte inisms, ph es in tissu	es of chemoth erial, antiviral armacokineti aes.	erapy. A , antipar	asiti	c,
Teaching forms, number of hours:			Lectures: 15 Seminars: ho								
Teaching me	ethods:		Seminars - S presentations Consultation	tudents' own work s prepared by stude	on prepared by acader (independent or in greents in the form of a she detailed organization of ester.	oups) on solvir ort lecture; dis	scussion.		-		
Formal prere	equisites and in	itial	Subjects with	h which the studen	t must have a positive ysics, animal anatomy						
Outcome category			Learning outcomes:					Learning out relative to the course outcome.	.e	the	oact on course comes
Knowledge		W1			concepts in the field of		•	A.W.16		3	
		W2	substances in	ncluding: pharmaco	rmacology for about 2 odynamics, pharmacok in species of domestic	cinetics, side e		A.W.16		3	
		W3	chemotherap	eutics along with t	active substances from heir classification to the rel of classification)			A.W.16		3	
		W4			ting chemotherapeutic	es on a prescrip	ption	A.W.19		3	
		W5			f drug impact on the educts of animal origin		nd the	A.W.16, B.V	V.21	3	
		W6	Student can s	select the appropria ganism along with	ate chemotherapeutic f determining the dose	for the defined		A.U.4, B.U.	13	3	
		W7			actions and its role in p	oolytherapy		A.U.4, B.U.	13	3	
Skills		U1	Student can	write a medicinal p	product on the prescrip	otion		B.U.10		3	
		U2	Student is ab	le to calculate a wi	ithdraw period for the	drug		B.U.10		3	
		U3		le to communicate noice of drug for tre	knowledge in the fieleatment	d of drug action	on and	A.U.12, A.U	J.13	3	
Competences	s	K1		drugs in responsib				KS.1		3	
		K2	In the selecti the patient	on of the drug stud	lent is primarily guide	d by the well-b	being of	KS.2, KS.4		3	
		K3	Student finds	s information abou	t new chemotherapeut	ics,		KS.4, KS.8		1	
		K4		gy, assesses the diff	ress of new chemother ferences between drug		ir own	KS.5		1	
		K5			necessary for further	education		KS.4, KS.8		1	

Topics of lectures: Principles of antibacterial chemotherapy. Principles of antiparasitic chemotherapy. [3 hours]; Drugs used against protozoa [2 hours]; Drugs used against tapeworms and flukes [2 hours]; Drugs used against nematodes [4 hours]; Drugs used against external parasites [2 hours]; Principles of cancer chemotherapy. Anticancer chemotherapeutics. [2 hours.]. Topics of seminars: Learning content ensuring the Disinfectants and antiseptics [3 hours]; Penicillins. Beta-lactamase inhibitors [3 hours]; Cephalosporins, achievement of learning carbapenems, monobactams [3 hours]; Aminoglycoside antibiotics [3 hours]; Peptide-type antibiotics [3 outcomes: hours]; Quinolones and fluoroquinolones [3 hours]; Phenicols, nitrofurans, nitroimidazoles [3 hours]; Pleuromutilins, tetracyclines, lincosamides [3 hours]; Macrolides, azalides, ketolides [3 hours]; Sulfonamides, dihydropyrimidines [3 hours]; Antifungals [3 hours]; Immunomodulating agents and antiviral drugs [3 hours]; Residues of veterinary medicines in food of animal origin. Rules for determining grace periods. Practical exercises - the principles of rational antibacterial chemotherapy. [3 hours] 1 / Written colloquium with open descriptive questions and test questions (multiple choice test). The number of questions, the proportions between the type of questions and the scores for individual questions may vary depending on the difficulty of the questions. The sum of points obtained at the colloquium is expressed as a relative percentage scale, where 100% is the maximum of points that can be obtained at the colloquium. The scope of knowledge checked at colloquia includes lecture and seminars topics. There is no minimum of points necessary to pass the colloquium. The percentage points from each colloquium are converted into grades according to the following scale: Percentage points Grade 0-30 0.0 31-39 1,0 40-44 1.5 45-49 2,0 3,0 50-60 61-70 3,5 71-80 4,0 4,5 81-90 5,0 91-100 Two colloquiums (K3 and K4) are planned. Each colloquium has two terms. Each student has the right to write colloquium two times, regardless of the result obtained. The result obtained from the next term cancels the result from previous term of the given test. An absence on the first term gives the right to re-schedule this term. Absence on the second term does not result in setting another term. 2 / Assessment of the work on seminars in Module 2 (C2) is issued on the basis of presentations prepared by the student and is issued on a scale of 2 to 5. The assessment is based on compliance with the topic and the Assessment methods: correct answers to the questions asked. 3 / Written exam, which may include open descriptive tasks and test tasks (multiple choice test). The number of questions, the proportion between the type of questions, and the scores for individual questions may vary depending on the difficulty of the questions. The sum of points obtained in the exam is expressed on a relative percentage scale, where 100% is the maximum of points possible to get. The scope of knowledge on the exam covers all topics includes all subject of veterinary pharmacology course (module 1 and module 2). There is no minimum threshold of points necessary to pass the exam. Points obtained in exam are converted into Exam Grade on the following scale: Grade Percentage points in exam 0-30 0 31-44 1 45-49 2 50-64 3 3,5 65-69 70-84 4 85-89 4.5 90-100 Two exam terms are expected. Each term is in the same form. No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted. eHMS entry. Formal documentation of Records collected in the course portfolio i.e. individual records of student results, presence lists, database of learning outcomes: oral and written questions, written assessments of the students. The final grade is influenced by colloquium results, assessment of work on seminars and exam grade. First, the Virtual Grade of Module 2 is calculated. Virtual Grade of Module 2 is calculated from the formula: Elements impelling final grade: [K3 * 0.4] + [K4 * 0.4] + [(C2-2) * 0.2]where: K3 - grade from colloquium 3, K4 - grade from colloquium 4, C2 - assessment of the work on classes The value calculated above is converted into a Virtual Grade of Module 2 according to the table below:

	Calculated value	grade				
	<0,00 - 3,00)	2,0				
	<3,00 – 3,25>	3,0				
	(3,25 – 3,75>	3,5				
	(3,75 – 4,25>	4,0				
	(4,25 – 4,75>	4,5				
	(4,75 – 5,00>	5,0				
	If the student is absent from more than 3 seminars the Virtual Grade of Module 2 is 2					
	The final grade, is calculated from the formula:					
	[The grade from the Module 1 x 0.25] + [The Virtual Grade of Module 2) x 0.25] + [The Exam Grade x 0.5]. The final grade calculated above is converted into the final grade entered into eHMS , as follows: value in the range <0 ; 3.0) is changing to 2; values in the range <3.0 ; 3.25) is rounded to 3; value in the range <3.25 ; 3.75) is rounded to 3.5; values in the range <3.75 ; 4.25) is rounded to 4; value in the range <4.25 ; 4.75) is rounded to 4.5; values in the range <4.75 ; 5.0> is rounded to 5.0.					
Teaching base:	Lecture halls, seminar rooms at SGGW					

Mandatory and supportive materials :

- (1) S. Giguere, J.F. Prescott, J.D. Baggot, R.D. Walker, P.M. Dowling. Antimicrobial Therapy in Veterinary Medicine, Blackwell Publishing. (2) Veterinary Pharmacology and Therapeutics. Red. H. Richard Adams, Iowa State University.
- (3) Handbook of veterinary pharmacology. Red Walter H. Hsu. Wiley-Blackwell 2008 r.
- (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:						
Hours theoretical:	100	Hours practical:		Hours of field exercises:		Total contact hours: 100 hrs
Total ECTS points, accumulated by students during contact learning:						4 ECTS