

Module name:	Veterinary pharmacology 2	
ECTS:	4	
Learning effects	Course outcomes:	
Knowledge:	1	Student knows definitions and concepts in the field of chemotherapy
	2	Student knows the detailed pharmacology for about 200 chemotherapeutic substances including: pharmacodynamics, pharmacokinetics, side effects and contraindications in the main species of domestic animals
	3	Student can classify about 400 active substances from the group of chemotherapeutics along with their classification to the appropriate ACTVet group (including 3 level of classification)
	4	Student knows the rules for writing chemotherapeutics on a prescription
	5	Student understand the issues of drug impact on the environment and the problem of drug residues in products of animal origin
Skills:	1	Student can select the appropriate chemotherapeutic for the defined infectious organism along with determining the dose and route of administration
	2	Student understands drug interactions and its role in polytherapy
	3	Student can write a medicinal product on the prescription
	4	Student is able to calculate a withdraw period for the drug
	5	Student is able to communicate knowledge in the field of drug action and justify the choice of drug for treatment
Competences:	1	Student uses drugs in responsible manner
	2	In the selection of the drug student is primarily guided by the well-being of the patient
	3	Student finds information about new chemotherapeutics,
	4	Student is involved in the progress of new chemotherapeutics pharmacology, assesses the differences between drugs based on their own observations
	5	Student deepens the knowledge necessary for further education
Objectives of the module required to obtain learning effects:	Acquaintance with chemotherapeutics used in animal treatment and principles of chemotherapy. Acquaintance with the detailed pharmacology of all groups of chemotherapeutics (antibacterial, antiviral, antiparasitic, anticancer) including. mechanisms of drug action, resistance mechanisms, pharmacokinetics, interactions, indications and contraindications, side effects, issues of drug residues in tissues.	
Assessment methods:	Seminars, written test, written exam	