

Module name:		<b>Rotation - veterinary laboratory diagnostics</b>
ECTS:		<b>1</b>
Learning effects		Course outcomes:
Knowledge:	1	Student knows the rules for the organization of various types of diagnostic laboratories taking into account the applicable law and is able to indicate the appropriate laboratory equipment and analytical apparatus and define the principles of safe work
	2	Student knows the rules of proper handling of the material delivered to the laboratory and assess its analytical usefulness
	3	Student knows the rules for the proper handling of reagent kits for laboratory tests
Skills:	1	Student is able to characterize the basic assumptions of the management system and quality in analytical laboratories
	2	Student is able to develop rules for the correct collection of labelling, transport and storage of biological material until delivery to the laboratory and indicate the correct completion of the referral
	3	Student is able to evaluate individual analytical methods in terms of their sensitivity, specificity, as well as accuracy and precision
	4	Student is able to assess the critical points of analytical errors
Competences:	1	Student is prepared to work using basic analytical equipment, being in the diagnostic laboratory and to determine selected haematological and biochemical parameters on it
	2	Student is prepared to formulate opinions on the basis of independent assessment the microscopic picture of blood, urine sediment with interpretation of results
	3	Student is prepared to cooperate with the veterinary team in the field of preparing material and assessment of the animal's immune status using selected parameters
Objectives of the module required to obtain learning effects:		The aim of this subject is to provide students with practical skills in collecting, securing and transporting biological material to the laboratory and completing referrals, but also organization of work in the analytical laboratory, performing laboratory tests and correct interpretation of results, taking into account the possibility of analytical errors. The main goal of practical education is the student to perform basic haematological, biochemical, cytological, serological and molecular biology methods in biological material - blood, urine, fluids from body cavities.
Assessment methods:		Evaluation of practical skills, entries in the Student's Daybook of Summer Practice and Clinical Training, written essay, oral test