

Module name:		Veterinary microbiology 2
ECTS:		5
Learning effects		Course outcomes:
Knowledge:	1	Student has knowledge of the structure of bacteria, fungi and virus particles. Knowledge of scientific names of the most significant disease causing agents and the associated diseases. Understanding the epidemiology of infectious diseases and the role of microbes in public health issues. Knowledge of basic properties and pathogenicity of fungi and viruses
Skills:	1	Student follows safety rules for handling clinical or laboratory specimens containing pathogens; acquires skills to aseptically and properly process clinical specimens; performs and interprets microbiological tests; recognizes unique identifying characteristics of pathogens and names associated with the agent(s); has ability to perform and interpret antibiotic susceptibility test; is able to detect and identify microorganisms and determine of the epidemiologic links between isolates.
Competences:	1	Student has ability to explain importance of microbes and fungi for the animal health and welfare.
Objectives of the module required to obtain learning effects:		The purpose of the veterinary microbiology module is to give the prospective veterinary surgeon adequate knowledge and skills that are applicable to veterinary medicine. Emphasis is placed on understanding the nature of infectious organisms, mechanisms by which they cause disease and how the host responds to infection. Veterinary medicine students are expected to learn the role of microbiota in health and disease, recognize the importance of biosecurity, public health threat posed by zoonotic diseases, and microbial contamination of food of animal origin. The program is designed to integrate bacteriology, mycology and virology. Also an opportunity is provided for student to practice basic laboratory techniques and procedures used in diagnostics of microbial disease. The course is designed to enable the student fulfil the national and EU educational requirements and achieve competence in veterinary microbiology.
Assessment methods:		3 written or oral tests, evaluation of practical skills, practical performance test, oral exam