Infectious Diseases, Preventive Medicine and Clinical Lectures by Species (4th year)

No. of credits: 4

Subject structure (weekly assigned hours)						
Semester	Lecture	Seminar	Practical session	Project		
VII	2	-	2	-		

Subject status

Compulsory

Person in charge

Lecturer ANIȚĂ Dragoș Constantin, DVM, PhD

Subject objectives (lectures and applications)

- 1. The principal objective is to bring the future veterinarian to the understanding of infectious diseases according to the interactions between the pathogen and the infected organism.
- 2. The focus is done on the etiology, epidemiology, pathogenic mechanisms and clinical and laboratory diagnosis as well to the strategies of prevention and control.
- 3. The course will give to the future veterinarian the opportunity to easily understand infections disease, the methods of general prophylaxis and vaccine and therapeutic tools.
- 4. The course also pursues other more specific goals with regard to the following fields:-general principles of the pathogenesis of viral diseases;- the pathogenesis of infectious diseases of domestic species from temperate areas;- general concepts on the important infectious diseases in tropical area and wild fauna.

Subject content (sylabus)

Lectures	Hrs.			
7th semester				
Overview of animal infectious diseases				
Foot and mouth disease. Swine vesicular disease. Vesicular stomatitis.				
Clasical swine fever. African swine fever.				
Avian influenza				
Newcastle disease				
Rabies. Aujeszky's disease				
Tuberculosis (general data). Bovine tuberculosis				
Paratuberculosis				
Bluetongue disease. Schmallenberg disease.				
Bovine spongiform encephalopathy. Scrapie				
Equine infectious anaemia.				
Enzootic bovine leukosis.				

African horse sickness. Rift Valley fever. Lumpy skin disease.	
Contagious bovine pleuropneumonia. Sheep and goat pox. Rinderpest (Cattle plague). Small ruminant pest (Peste des petits ruminants).	

Practical Sessions	Hrs.			
7 th semester				
Safety rules applicable during the practical works. General methods for diagnosis of animal infectious diseases. General principles of surveillance, prevention and control of infectious diseases in animals.	2			
Diagnosis, surveillance, prevention and control of Foot and mouth disease (FMD).	2			
Diagnosis, surveillance, prevention and control of Classical swine fever and African swine fever.	2			
Diagnosis, surveillance, prevention and control of Avian influenza and Newcastle disease.	2			
Diagnostic exercises of infectious diseases in animals.	2			
Diagnosis, surveillance, prevention and control of animal rabies.	2			
Diagnosis, surveillance, prevention and control of Aujeszky's disease.	2			
Diagnosis, surveillance, prevention and control of Bovine tuberculosis. (I)	2			
Diagnosis, surveillance, prevention and control of Bovine tuberculosis (II) - intradermal tuberculin test (single intradermal tuberculin (SIT) and single comparative intradermal tuberculin (SCIT) tests)				
Diagnosis, surveillance, prevention and control of Paratuberculosis	2			
Diagnosis, surveillance, prevention and control of Bluetongue disease and Schmallenberg disease.	2			
Diagnosis, surveillance, prevention and control of animal transmissible spongiform encephalopathies (TSEs)	2			
Diagnosis, surveillance, prevention and control of Equine infectious anaemia and Enzootic bovine leukosis.	2			
Diagnostic exercises of infectious diseases in animals.	2			

Bibliography

- 1. Electronic course and practical work support PPT presentations
- 2. Animal Disease Information, The Center for Food Security and Public Health, available at http://www.cfsph.iastate.edu/DiseaseInfo/
- 2. Tehnical disease cards, World Organisation for Animal Health available at https://www.oie.int/en/what-we-do/animal-health-and-welfare/animal-diseases/
- 3. Terrestrial Animal Health Code (2021), World Organisation for Animal Health available at https://www.oie.int/en/what-we-do/standards/codes-and-manuals/terrestrial-code-online-access/
- Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, World Organisation for Animal Health available at <u>https://www.oie.int/en/what-we-</u> <u>do/standards/codes-and-manuals/#ui-id-2</u>
- Peter Constable, Kenneth W Hinchcliff, Stanley Done, Walter Gruenberg, Veterinary Medicine: A Textbook of the Diseases of Cattle, Horses, Sheep, Pigs, and Goats, 11th edition, Volumes 1 and 2, 2016, Imprint: Saunders Ltd, ISBN: 9780702052460
- 6. MSD Manual Veterinary manual available at https://www.msdvetmanual.com/

Subject content knowledge (Final evaluation)

Evaluation type	Evaluation methods	Percentage from final
Final examination	MCQ test	60%
Continuous evaluation	written	20%
Lecture attendance	presence	20%

Contact person

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