

STATE VETERINARY MEDICINE AND PUBLIC HEALTH (6th year)

No. of credits: 2

Subject structure (weekly assigned hours)

Semester	Lecture	Seminar	Practical session	Project
XI	1	-	1	-

Subject status

Compulsory

Person in charge

Lecturer Aniță Dragoș Constantin, DVM, PhD

Subject objectives (lectures and applications)

- The course content provides the veterinary student with comprehensive knowledge (i.e., pathogenesis, diagnosis, susceptible species, economic and public health impact, prevention and control methods and programmes) of specific zoonotic transmissible diseases, focusing on OIE-listed diseases, zoonotic diseases with serious public health implications.
- Familiarization with the form of organization of national and international structures involved in human and animal health;
- Acquiring of knowledge regarding the official veterinary system, the attributions of official veterinarian, organization of national and international veterinary structures;
- Acquiring and proper use by students of the concepts of emergence, re-emergence and the mechanisms of evolution of emergent zoonosis in the general context of pathology and epidemiology;
- Learning and proper use by students of the concepts of epidemiology, symptoms (in humans) and ways to prevent and control zoonoses;
- Deepening mechanisms to fight against zoonoses: obstacles, procedures, results;
- Acquiring of concepts and principles of the state veterinary inspection operation;
- Acquiring of emerging disease surveillance measures.

Subject content (syllabus)

Lectures	Hrs.
COURSE OBJECTIVES. Definition: "state veterinary medicine", "public health", "public veterinary health"	1
Institutions, organizations and structures involved in the defense of public health(FAO, WHO, OIE, European and National structures).	1
STATE VETERINARY INSPECTION. Duties and responsibilities of the state veterinarian (inspector). Perform the tasks and legal consequences. Working with others involved in public health protection	1

Overview of Zoonosis. Definition, classification, analytical and synthetic epidemiology. Frequency and importance of zoonosis.	2
Epidemiology, manifestations (in humans) and ways of preventing and combating "MAJOR" ZOONOSSES INFECTION : anthrax, brucellosis, leptospirosis, glanders, salmonellosis, plague, tuberculosis, psittacosis, rabies, american encephalitis, yellow fever, Lassa fever	2
Epidemiology, manifestations (in humans) and ways of preventing and combating "MINOR" ZOONOSSES INFECTION: borreliosis, campylobacteriosis, listeriosis, cat scratch disease, melioidosis, pasteurella infections, pseudotuberculosis (Johne's disease), erysipelas infections, staphylococci, streptococci, tularemia, yersinia infections, epidermal vascular graft infection in sheep, tick-borne encephalitis, foot and mouth disease, Rift Valley fever, Newcastle disease, West Nile fever.	2
Epidemiology, manifestations (in humans) and ways of preventing and combating "RARE" ZOONOSSES INFECTIONS: smallpox, Aujeszky's disease, Shigellosis, Ebola, Marburg disease, Hendra virus disease, Nipah virus, influenza viruses, spongiform encephalopathy.	2
Epidemiology of main fungal Zoonoses: candidiasis, scab, microsporia, Trichophyton infection.	1
Epidemiology of main parasitic Zoonoses: toxoplasmosis, echinococcosis, cysticercosis, trichinosis.	1
THE FIGHT AGAINST ZOONOSSES: obstacles, approaches, results	1

Practical Sessions	Hrs.
State veterinary inspection. Duties and responsibilities of the state veterinarian (inspector).	2
Viral Zoonosis	2
Zoonotic bacterial diseases I	2
Zoonotic bacterial diseases II	2
Parasitic and fungal veterinary zoonoses	2
Practical activities (visits at DSVSA Iasi)	2
Colloquium. Final evaluation	2

Bibliography

1. Palmer S.R., Soulsby L., Simpson D.I.H., 2011 Oxford textbook of zoonoses : biology, clinical practice, and public health control, 2nd ed., Oxford University Press, ISBN, 9780198570028
2. Compendium of Veterinary Standard Precautions for Zoonotic Disease Prevention in Veterinary Personnel, National Association of State Public Health Veterinarians, Veterinary Infection Control Committee, JAVMA, Vol 237, No. 12, December 15, 2010
3. World Health Organisation – Zoonosis
<http://www.who.int/topics/zoonoses/en>

Subject content knowledge (Final evaluation)

Evaluation type	Evaluation methods	Percentage from final
Colloquium	MCQ test	60%
Evaluation along the semester, Practical application, Oral	written	40%

Contact person

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