

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

**No. of credits: 3**

**Subject structure (weekly assigned hours)**

Semester	Lecture	Seminar	Practical session	Project
VIII	2	-	2	-

**Subject status**

Compulsory

**Person in charge**

Assoc. Prof. Adriana Elena ANIȚĂ, DVM, PhD

**Subject objectives (lectures and applications)**

- The primary objective of this course is to provide students with a broadly based understanding of the nature of common animal bacterial diseases, including: causes of disease, the physiological course of these diseases, epidemiology, diagnosis and therapy
- After completing this course, students should be able to:
  - describe of the aetiology, pathogenesis, diagnosis and control of the infectious diseases from the syllabus;
  - acquire an advanced understanding of host defence mechanisms and immune responses in relation to infectious diseases;
  - acquire an advanced understanding of toxins and virulence factors of bacterial infectious agents;
- As practical skills students need to be able to organize and to perform practical work: form a team, to share tasks, collaborate, to use specific teaching material and equipment of infectious disease lab.

**Subject content (syllabus)**

Lectures	Hrs.
8 <sup>th</sup> semester	
Microbial pathogens and infectious disease. Anthrax	2
Glanders. Pseudomonas infections in birds	2
Salmonella infections in mammals	2
Salmonella infections in birds	2
Pasteurella infections in mammals	2
Pasteurella infections in birds	2
Erysipelothrix rhusiopathiae infection (Erysipelas)	2
Clostridium infections: Tetanus, Blackleg, Gas Gangrene, Bacillary hemoglobinuria, Big head, Infectious necrotic hepatitis	2
Clostridium infections: Botulism, Clostridial infections of the gastrointestinal system	2
Avian tuberculosis	2

Mycoplasma infections in mammals: Contagious agalactia of sheep and goats, Enzootic pneumonia	2
Mycoplasma infections in birds	2
Paramyxovirus infections: Canine distemper, Ruminant parainfluenza, Respiratory syncytial virus infection in cattle, Pigeon Paramyxovirus infections	2
Picornavirus infections: Teschen disease, Avian Encephalomyelitis	2

Practical Sessions	Hrs.
8 <sup>th</sup> semester	
Safety rules applicable during the practical works. Laboratory diagnosis, prevention and control in anthrax.	2
Laboratory diagnosis, prevention and control in glanders.	2
Laboratory diagnosis, prevention and control in Salmonella infections of mammals.	2
Laboratory diagnosis, prevention and control in avian salmonellosis.	2
Laboratory diagnosis, prevention and control in mammals pasteurellosis.	2
Laboratory diagnosis, prevention and control in avian pasteurellosis.	2
Laboratory diagnosis, prevention and control in erysipelas.	2
Laboratory diagnosis, prevention and control in tetanus.	2
Laboratory diagnosis, prevention and control in botulism.	2
Laboratory diagnosis, prevention and control in avian tuberculosis.	2
Laboratory diagnosis, prevention and control in avian mycoplasma infections.	2
Laboratory diagnosis, prevention and control in canine distemper infection.	2
Laboratory diagnosis, prevention and control in bovine respiratory syncytial virus infection	2
Exercises of clinical diagnosis.	2

## Bibliography

1. Electronic course and practical work support – PPT presentations
2. 1.Divers J.T., Peek S.F., Rebhun's Diseases of Dairy Cattle, 2008, Elsevier, ISBN 978-1-4160-3137-6.
2. Vegad J.L, Katiar A.K., A textbook of veterinary special pathology: Infectious diseases of Livestock and Poultry, 2008, International book distributing, ISBN 978-81-8586-061-9.
3. Merck Veterinary Manual, available at <https://www.merckvetmanual.com/>
4. Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, World Organisation for Animal Health available at <http://www.oie.int/international-standard-setting/terrestrial-manual/access-online/>
5. Tehnical disease cards, World Organisation for Animal Health available at <http://www.oie.int/animal-health-in-the-world/technical-disease-cards/>

### **Subject content knowledge (Final evaluation)**

Evaluation type	Evaluation methods	Percentage from final
Final examination	Oral examination	70%
Continuous evaluation	written	20%
Lecture attendance	presence	10%

### **Contact person**

Assoc. Prof. Adriana Elena ANIȚĂ, DVM, PhD  
Faculty of Veterinary Medicine  
Iasi University of Life Sciences (IULS) - Romania  
aeanita@uaiasi.ro  
Phone: +40 232 407328  
Fax: 0040 232 407318  
URL: [www.uaiasi.ro](http://www.uaiasi.ro)