Course Unit Descriptor

Study Programme: Veterinary Medicine	
Course Unit Title: Infectious Diseases of Animals 1	
Course Unit Code: 3IVM9O48	
Name of Lecturer(s): Aleksandar S. Potkonjak, Dragan R. Rogan	
Type and Level of Studies: Undergraduate academic studies	
Course Status (compulsory/elective): compulsory	
Semester (winter/summer): winter	
Language of instruction: English	
Mode of course unit delivery (face-to-face/distance learning): face-to-face	
Number of ECTS Allocated: 5	

Prerequisites: Microbiology, Immunology, General and Special Pathological Morphology, General and Special Pathophysiology, Pharmacology andToxicology I and II, Zoohygiene, Veterinary Epidemiology, Ruminant Diseases I and II, Equines Diseases of I and II, Diseases of Pigs, Diseases of Poultry

Course Aims:

The course enables student to acquire: 1. knowledge of the etiology, epidemiology, pathogenesis, clinical features, pathological changes, differential diagnosis, and treatment of infectious diseases, 2. skills for implementation of methods for diagnostics of infectious diseases; and 3. ability to implement the control measures and prophylaxis for contagious infectious diseases and zoonoses.

Learning Outcomes:

The course enables student to acquire: 1. knowledge of the etiology, epidemiology, pathogenesis, clinical features, pathological changes, differential diagnosis, and treatment of infectious diseases, 2. skills for implementation of methods for diagnostics of infectious diseases; and 3. ability to implement the control measures and prophylaxis for contagious infectious diseases and zoonoses.

Syllabus:

Theory

Infection, and types of infections, main characteristics of bacterial and viral infections, prion diseases, diagnostic methods for infectious diseases, biological warfare, types of vaccines , active and passive immunization, general principles of prevention and eradication of infective diseases. National programs and control measures for infective disease, National procedures for reporting of infection diseases as well as procedure for declaration of free status of infectious disease. Infections caused by Clostridia spp. Salmonella spp. Brucella spp. Mycoplasma spp. Anthrax, Pasteurellosis, Listeriolosis,Tuberculosis, Paratuberculosis, Q fever, Tularemia , Malleus, Melidioza, Epizootic lymphangitis, Ulcerative lymphangitis, Caseous lymphadenitis in goats and sheep, Strangles, Dermatophilosis, Contagious equine metritis, Actinomycosis, Swine Erysipelas, Swine dysentery , Atrophic rhinitis of swine, Leptospirosis, Bovine and ovine genital Campilobacteriosis, Avian spirohetosis, Bovine Anaplasmosis, Heartwater in ruminants, Avian Chlamydiosis, Enzootic Abortion of sheep, goats and cattle. Important mycotic infections.

Practice

Presentation and analysis of clinical cases, Sampling of biological material. Performing of diagnostics and differential diagnostics. The practice of implementation of the measures of control and prevention.

Required Reading: Radojičić S. i sar. Infektivne bolesti životinja - specijalni deo. Autor je izdavač. Beograd, 2011.,

Valčić M. Specijalna epizootiologija – I", Veterinarska komora Srbije, Beograd, 2004., Cvetnić S. Bakterijske i gljivične bolesti životinja, Školska knjiga, Zagreb, 2002., Čobeljić M. i sar. Biološko oružje. Vojno-izdavački zavod, Beograd, 2003., OIE. Manual of Diagnostic Tests and Vaccines for Terrestrial Animals. Sixth edition, 2008. www.oie.int, Potkonjak A.: Bolest mačijeg ogreba, Biblioteka Academia, Zadužbina Andrejević, Beograd, 2009., str. 1-85, ISBN: 978-86-7244-824-5

Weekly Contact Hours:		Lectures: 3		Practical work: 2	

Teaching Methods: Lectures, Practical classes, Consultations, research work

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Active class participation	0	written exam	30
Practical work	0	oral exam	40
Preliminary exam(s)	30	…….	
Seminar(s)	0		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.