

Study Programme: Veterinary medicine
Course Unit Title: Parasitic diseases
Course Unit Code: 3IVM6O30
Name of Lecturer(s): Assistant Professor Nikolina Novakov, Teaching assistant Stanislav Simin
Type and Level of Studies: Integrated Academic Degree
Course Status (compulsory/elective): Compulsatory
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: 4
Prerequisites: None
Course Aims: The subject enables student to acquire knowledge from the general epidemiology, pathogenesis, pathology, prevention and treatment of parasitic diseases of domestic animals. The student should acquire skills of clinical and laboratory diagnosis of parasitic diseases and ability to solve practical problems in the field of the subject.
Learning Outcomes: Upon completion of the course from this subject a student should be able to: 1) define and describe the concepts from etiology and development cycles, epidemiology, clinics and treatment of parasitic diseases; 2) recognize the clinical and pathoanatomy findings of parasitic diseases; 3) implement laboratory methods for diagnosis of parasitic diseases; 4) makes a distinction differentially and diagnostically between parasites and diseases caused by other etiologic agents; 5) identify and implement appropriate therapy; 6) participate individually and in a team in solving practical problems in the field the subject the parasite diseases.
<p>Syllabus:</p> <p><i>Theory</i></p> <p>General epizootiology; The conditions for the occurrence of parasitic diseases; Babesiosis; Coccidiosis; Toxoplasmosis; Sarcocystosis; Histomoniasis; Hexamitiasis; Trichomoniasis; Balantidiasis; Fascioliasis; Dicrocoeliasis, Paramphistomosis; Monesiasis; Anoplocephalidae infections. <i>Chicken cestodiasis</i>; Carnivores cestodiasis; Echinococcosis; Cysticercosis; Pig ascariasis; Parascariasis; Neocariasis; Toxocariasis; Visceral larva migrans; Heteraxis galline infection; Equine strongyloidiasis; Oxiuriasis; gastrointestinal strongyloidiasis of ruminants; Ancylostomiasis; Verminous gastritis in pigs; Nodular Worm Infection (Oesophagostomiasis); Dictyocaulosis of ruminants; Pig metastrongylidosis; Protostrongylidoses of sheep and goats; Syngamosis; Cyathostomosis; Cutaneous <i>Habronemiasis</i>; <i>Onchocerciasis</i>; <i>Parafilaria infection</i> (Summer bleeding); Telasiosis; Trichuriasis; Macracanthorhynchus infection; Trichinellosis; Myasis; Estrosis; Hypodermosis; Gasterophilosis; Scabies; Demodectic mange; Linguatulosis; Other ectoparasitosis.</p> <p><i>Practice</i></p> <p>Introduction to the diagnosis of parasitic diseases. Taking, packaging and shipping materials for inspection. Macroscopic examination of stool. Basic characteristics of helminth eggs; Qualitative methods of fecal examination: native preparation, sedimentation and flotation; Qualitative methods of fecal examination: method by Vajda, Fulleborn and Baerman, a method with cellophane swab. Copro-culture; Quantitative methods of fecal examination: method on the Stoll and Mac Master; Diagnostic of parasitic diseases; Demonstration of major antiparasitic drugs.</p>
<p>Required Reading:</p> <ol style="list-style-type: none"> 1. Šibalić, S., Cvetković, Lj. Parasitic diseases of domestic animals. University of Belgrade, 1985. 2. Aleksić, N. Parasitic diseases – Special part. University of Belgrade, 2004.

3. Dwight, D.B. Parasitology for veterinarians. Elsevier, 2004.

4. Aleksić, N. Practicum of parasitic diseases. Tehnika, Belgrade, 1999.

Weekly Contact Hours:

Lectures: 2

Practical work: 2

Teaching Methods:

Within the method of teaching lectures combined with interactive teaching in all teaching subjects chapters are used. Practical teaching includes chapters: Taking, packaging and shipping materials for examination and Demonstration of the important antiparasitic drugs. Other exercises which include chapter: The diagnostics of parasitic diseases are carried out in the laboratory. One seminar on topics from any of theory chapters is necessary. Testing of knowledge is implemented through two obligatory tests, practical and oral exam. Colloquiums include the chapter: Diagnostics of parasitic diseases, while written and oral exam include all teaching chapters of the subjects.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Active class participation	5	written exam	
Practical work	10	oral exam	50
Preliminary exam(s)	20	
Seminar(s)	15		

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