

<b>Study Programme:</b> Veterinary medicine		
<b>Course Unit Title:</b> Diseases of poultry		
<b>Course Unit Code:</b> 3IVM9O45		
<b>Name of Lecturer(s):</b> Assistant Professor Nikolina Novakov, Teaching assistant Bojana Vidović		
<b>Type and Level of Studies:</b> Integrated Academic Degree		
<b>Course Status (compulsory/elective):</b> Compulsory		
<b>Semester (winter/summer):</b> Winter		
<b>Language of instruction:</b> English		
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face		
<b>Number of ECTS Allocated:</b> 3		
<b>Prerequisites:</b> None		
<b>Course Aims:</b> The subject enables student to acquire knowledge about breeding and pathology of poultry and the latest knowledge about the specifics of the occurrence, spreading and the importance of diseases of wild birds and their impact on the protection of domestic animals and humans. Student should acquire skills of clinical and laboratory diagnostics of diseases of poultry and ability to solve practical problems in the field of the subject.		
<b>Learning Outcomes:</b> After completion of the course from this subject student should be able to: 1. define and describe the concepts from etiology, epidemiology, clinics and treatment of diseases of poultry as well as the terms from production technology; 2. recognize the clinical and pathoanatomical findings of diseases in birds; 3. implement the laboratory methods for diagnosis of diseases in poultry; 4. implement the methods to practice the various vaccination (i/m, s/c, oculonasally, a spray, an aerosol); 5. identify and implement appropriate therapy; 6. participate individually and in a team in solving of practical problems in the field of the subject.		
<b>Syllabus:</b>		
<i>Theory</i>		
The immune system of birds and infection by microorganisms; Infections by aerobic microorganisms; Anaerobic infections; Mycoplasma infections; Infection by viruses; Leucosis; Parasitic diseases of birds; Disease of unknown etiology; Diseases caused by malnutrition and poisoning; Technopathy in poultry and birds.		
<i>Practice</i>		
Extensive and intensive poultry production; Floor and cage systems of breeding; The welfare of birds and poultry; Technology of feeding, watering, lighting and heating of poultry; Molting of poultry and procedures; Reproduction and eggs incubation; Biosafety and disinfection, deratisation, desinsection ; Vaccinations and immunizations; Taking of blood, smears and other samples; Euthanasia of birds; Diagnosis, therapeutic procedures, contraindications and antibiotics.		
<b>Required Reading:</b>		
<ol style="list-style-type: none"> <li>Orlić, D., Kapetanov, M. Infectious diseases of poultry. Scientific Veterinary Institute Novi Sad, 2007.</li> <li>Rusov, Č. Viral diseases of poultry. JUNUZ, Belgrade, 1999.</li> <li>Konig, H.E., Liebich, H.G. Schatauer. Stuttgart, 2001.</li> <li>Ivetić et al. Atlas of diseases of poultry. Scientific Veterinary Institute of Serbia, Belgrade, 2003.</li> <li>Calnek, B.W. et al. Diseases of Poultry. Iowa State University Press, 2000.</li> </ol>		
<b>Weekly Contact Hours:</b>	<b>Lectures:</b> 3	<b>Practical work:</b> 2
<b>Teaching Methods:</b>		

Within the method of teaching, lectures combined with interactive teaching in all teaching subject chapters are used. Practical teachings include chapters: Taking of blood, smears and other samples; Euthanasia of birds; Vaccinations and immunizations. Other exercises which are performed in the laboratory include chapter: Technology of poultry production and Diagnostic of diseases of poultry. 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 next chapters: Breeding technology, diagnosis, treatment and vaccination of poultry diseases. Written and oral exam include all chapters of the subjects.

**Knowledge Assessment (maximum of 100 points):**

<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	5	written exam	20
Practical work	10	oral exam	30
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.