

<b>Study Programme: Veterinary medicine</b>			
<b>Course Unit Title: Immunology</b>			
<b>Course Unit Code: 3IVM4O17</b>			
<b>Name of Lecturer(s): Vesna Lalošević</b>			
<b>Type and Level of Studies: IAS</b>			
<b>Course Status (compulsory/elective): compulsory</b>			
<b>Semester (winter/summer): summer</b>			
<b>Language of instruction: English</b>			
<b>Mode of course unit delivery (face-to-face/distance learning): face to face</b>			
<b>Number of ECTS Allocated: 4</b>			
<b>Prerequisites: none</b>			
<b>Course Aims:</b> Acquiring theoretical and practical knowledge or skills in the field of immunology. The subject covers basic immunology, the basis of allergology, autoimmune diseases, tumor and transplantation immunology.			
<b>Learning Outcomes:</b> Acquired knowledge and skills enable more effective learning of clinical subjects. Enable a correct understanding of pathogenesis of the disease, development of infection and defense against infections. The acquired knowledge enables understanding and interpretation of immunological tests.			
<b>Syllabus:</b> <i>Theory</i> Historical development of basic immunology, Innate immunity, phagocytosis, Interferon, Antigens, Immune system, central and peripheral lymphoid organs, immune system cells, immunological reactions, immune system duality, Humoral immunity, Antibodies, types, formation dynamics, activation, T-lymphocytes, lymphokines, complement system, cellular cooperation in immune response, Acquired immunity, active, passive immunity, immunity to bacterial, viral and parasitic diseases, inflammation and immunity, immunization, vaccination, vaccines and adjuvants in veterinary medicine, Allergy, Transplantation Immunology, tumor immunity, Autoimmunity and Autoimmune Disease  <i>Pra ctice</i> Serological examination methods, Agglutination, Precipitation, Complement fixation, Immunofluorescent tests, ELISA, Neutralization test			
<b>Required Reading:</b>  1. Abass A., Lichtman A., Pillai A. Basic immunology, Data Status, Beograd, 2013			
<b>Weekly Contact Hours:2+2</b>		<b>Lectures:2</b>	<b>Practical work:2</b>
<b>Teaching Methods:</b> Lectures – oral, textual and illustrative / demonstrative methods. Practical classes - management of students individual work and demonstrative / illustrative methods			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	5	written exam	30
Practical work	5	oral exam	60
Preliminary exam(s)		.....	
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			

