

Module code	M_WE_SEM5 PW1 D / M_WE_SEM5 PW2 D CHCHPBEZ
Field of study	Veterinary medicine
Module name, also the name in English	Breeding and diseases of Ratitae birds Chów i choroby ptaków bezgrzebieniowych
Language of instruction	English
Module type	Elective
Level of studies	Long-cycle master's degree studies
Form of study	Full-time
Year of study in the field of study	III
Semester of study in the field of study	V
ECTS credits, divided into contact/non-contact hours	1 (0.7/0.3)
Academic title/degree, name of the person responsible for the module	Dr Ewelina Pyzik
Unit teaching the module	Department of Veterinary Prevention and Avian Diseases
Module objective	The aim of this module is to introduce students to breeding, dealing with Ratitae birds and to etiology, pathogenesis, diagnostic and therapy of infectious and invasive diseases, poisoning, deficiency diseases in Ratitae birds, procedures for diseases of Ratitae birds
The learning outcomes for the module include a description of the knowledge, skills and social competences that the student will gain after completing the module.	Knowledge:
	K1 - the student has basic knowledge of topographic anatomy and embryology of Ratitae birds
	K2 - the student has basic knowledge of physiology and pathophysiology of Ratitae birds
	K3 - the student has basic knowledge of Ratitae birds pathomorphology
	K4 - the student has basic knowledge of infectious and invasive diseases of Ratitae birds
	K5 - the student has basic knowledge of pharmacodynamics and pharmacokinetics of drugs used in Ratitae birds
	K6 - the student has knowledge of immunology and prophylaxis of diseases of Ratitae birds
	Skills:
	S1 - the student can perform clinical examination and basic laboratory tests in domestic and farm birds
	S2 - the student performs an autopsy on a bird, prepares an autopsy protocol and correctly interprets an autopsy results.
	S3 - the student takes samples for laboratory testing properly and interprets laboratory test results
	Social competences:
	C 1 - according to the best knowledge, the student strives to diagnose health problem and introduces appropriate therapy
	C 2 - the student acts according to professional ethics
C 3 - the student is aware that the decisions he/she makes will affect patient's condition and environment	

Prerequisites and additional requirements	
Module program content	<p><b>Lectures</b></p> <ul style="list-style-type: none"> <li>- anatomy, physiology, housing conditions of Ratitae birds</li> <li>- specific prophylaxis - vaccination programs, types of vaccines used in poultry farming and used vaccination techniques</li> <li>- nonspecific prophylaxis of diseases of Ratitae birds - flock biosecurity</li> <li>- impact of feeding and housing on birds health and diseases resulting from inadequate housing of Ratitae birds</li> <li>-genetic factors affecting the health of Ratitae birds</li> <li>- viral, bacterial and parasitic factors which are dangerous in pathology of Ratitae birds - discussing certain cases including etiology, run symptoms and anatomo-pathological changes</li> <li>methods of treatment of birds diseases and used medicines</li> <li>- diagnostic procedures used in diagnosis of diseases of Ratitae birds</li> </ul>
List of core and supplementary literature	<p>Core literature:</p> <ul style="list-style-type: none"> <li>(a). M.A. G. de Bakker, D.A. Fowler, K.Oude, E. M. Dondorp, M. C.Navas, J. O. The Ostrich, European Ostrich Group, Denmark 2002.</li> <li>b). Bowsher M.W., 1992. Improvement of reproductive efficiency in the ostrich: characterization of late embryo mortality. PhD Thesis, Texas A&amp;M University</li> </ul> <p>Optional literature</p> <ul style="list-style-type: none"> <li>(a). Clinical avian medicine. Vol. 1 / Greg J. Harrison, Teresa L. Lightfoot. Harrison,2006r.</li> <li>b). Clinical avian medicine. Vol. 2 / Greg J. Harrison, Teresa L. Lightfoot. Harrison, 2006r. ISBN: 00975499408 (2-vol. set)</li> <li>c). A laboratory manual for the isolation, identification and characterization of avian pathogens / editorial committee Susan M. Williams, Louise Dufour-Zavala, Mark W. Jackwood, Margie D. Lee, Blanca Lupiani, Willie M. Reed, Erica Spackman, Peter R. Woolcock., 2016r.</li> </ul>
Planned forms/activities/teaching methods	As a part of the courses, students have the opportunity to participate in classes conducted in the form of lectures.

<p>Verification methods and ways of documenting the achieved learning outcomes.</p>	<p>The final verification of the knowledge and skills of the module is in the form of an oral final exam.</p> <p>The examiner has a database of 100 questions from the subject. During oral exam student draw a set of three questions, which will be noted along with the name and grade for each question on the examiner's internal protocol.</p> <p>The grade is a percentage sum from all questions resulting from the answers testing required knowledge/skills</p> <p>Failing grade (2.0) &lt;60%</p> <p>Sufficient (3.0) 61-70%</p> <p>Sufficient plus (3+) 71-75%</p> <p>Good (4.0) 76-85%</p> <p>Good plus (4+) 86-90%</p> <p>Very good (5.0) 91-100%</p>																		
<p>ECTS credits</p>	<p>Form of classes: lecture, classes, consultations, preparing for classes, project preparation, studying literature</p> <p>Participation in lectures - 15 hours</p> <table border="1" data-bbox="644 846 1461 1193"> <thead> <tr> <th>Form of class</th> <th>Number of hours contact hours</th> <th>ECTS credits</th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td>15</td> <td>0,6</td> </tr> <tr> <td>Consultations</td> <td>3</td> <td>0,1</td> </tr> <tr> <td></td> <th>Number of hours non-contact hours</th> <td></td> </tr> <tr> <td>Preparation for assessment</td> <td>7,5</td> <td>0,3</td> </tr> <tr> <td><b>TOTAL:</b></td> <td><b>25,5</b></td> <td><b>1</b></td> </tr> </tbody> </table>	Form of class	Number of hours contact hours	ECTS credits	Lectures	15	0,6	Consultations	3	0,1		Number of hours non-contact hours		Preparation for assessment	7,5	0,3	<b>TOTAL:</b>	<b>25,5</b>	<b>1</b>
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<p>The workload of activities that requires direct participation of an academic teacher</p>	<p>Participation in lectures - 15 hours.</p> <p>Consultations – 3 hours</p>																		
<p>Relation of module learning outcomes to course learning outcomes.</p>	<p>K1 – WE_W02 +</p> <p>K2 - WE_W06 +</p> <p>K3 - WE_W16 +</p> <p>K4 - WE_W17+</p> <p>K5- WE_W10+</p> <p>S6 - WE_W07+</p> <p>S1 - WE_U16 +</p> <p>S2- WE_U28 +</p> <p>S3 - WE_U19 +</p> <p>Sc1- WE_K 8 +</p> <p>Sc2 - WE_K 2 +</p> <p>Sc3 - WE_K 13 +</p>																		
<p>Elements and values affecting the final grade</p>	<p>In order to receive credit for the course, the student must simultaneously attend at least 80% of the lectures and obligatorily answer the questions on the final assessment.</p>																		