

Module code	M_WE_SEM4 ETO 2019-2020
Field of study	Veterinary medicine
Module name, also the name in English	Ethology, welfare and animal protection Etologia, dobrostan o ochrona zwierząt
Language of instruction	English
Module type	(mandatory/ <del>optional</del> )
Level of studies	Long-cycle master's degree studies
Form of study	Full-time/part-time
Year of study in the field of study	II
Semester of study in the field of study	IV
ECTS credits, divided into contact/non-contact hours	2 (1.1/0.9)
Academic title/degree, name of the person responsible for the module	Prof. dr hab. Renata Urban-Chmiel
Unit teaching the module	Institute of Biological Bases of Animal Diseases, Department of Veterinary Prevention and Avian Diseases
Module objective	The aim of the course is to provide knowledge on normal and abnormal behaviour of farm animals, companion animals and free-living animals, resulting from poor welfare. In addition, it enables acquiring the ability to evaluate basic animal welfare parameters and control methods based on current national and EU legislation.
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:
	W1. The student has a general knowledge of the effects of the environment on the behaviour and functioning of animals in the natural and farmed environment.
	W2. The student knows the negative effects of the farmed environment on the reactions induced in the animal system and their health and productivity.
	Skills:
	U1. The student has the ability to find and interpret legal acts in the field of protection and welfare of animals in particular technological groups.
	U2. The student performs simple, practical tasks in recognising and interpreting basic animal behaviours under the guidance of a research supervisor.
	U3. The student identifies and performs standardised welfare analysis of livestock facilities and other animal dwellings based on interpretation of current legislation.
	U4. The student can evaluate the pros and cons of their actions in terms of evaluating welfare criteria vs social determinants.
	Social competences:
	K1. The student is aware of the importance of social, professional and ethical responsibility for animal production, animal welfare and the formation and condition of the environment in terms of welfare.

	K2. The student is aware of the need for further training and self-improvement in the profession, which is closely related to changes in legislation, animal husbandry systems and social changes.
Prerequisites and additional requirements	Sequestration Resolution
Module program content	<p><b>Lectures</b></p> <p>Definitions and characteristics of national and EU legislation on animal protection and welfare.</p> <p>Characterisation of the natural behaviour of farm, companion and free-living animals as indicators of welfare.</p> <p>Characterisation of behavioural pathologies (stereotypies, aggression) of animals as a criterion for welfare assessment.</p> <p>Protection of animals during transport.</p> <p><b>Practical classes</b></p> <p>Basic definitions and animal welfare indicators and control methods. Welfare index analysis.</p> <p>Protection and welfare of animals used in biomedical experiments based on current national and EU legislation.</p> <p>Animal protection during slaughter and killing operations based on current EU and national legislation.</p> <p>Protection and welfare of livestock (cattle, sheep, goats, pigs, poultry, horses) based on current national and EU legislation.</p> <p>Control of animal welfare in livestock farms, slaughterhouses, means of transport and animal shelters based on Chief Veterinary Officer Instructions.</p>
List of core and supplementary literature	<p>Core literature:</p> <ol style="list-style-type: none"> <li>1. Fraslin J.M., Monbureau F., Auffray N., Sebastiao L.M., Vermersch D., Kowalska-Pyłka H., Cybulski W., Urban – Chmiel R., Desfontis J.C., Malbert C.H. et al. Bioethics In Life and Environmental Sciences. BRUMAR, 2007.</li> <li>2. Scientific Opinion of the Panel on Animal Health and Welfare <a href="http://www.efsa.europa.eu/fr/scdocs/doc/572.pdf">http://www.efsa.europa.eu/fr/scdocs/doc/572.pdf</a></li> <li>3. Pond W.G., Bazer F.W., Rollin B.E. Animal welfare in animal agriculture. Taylor&amp;Francis, 2012</li> <li>4. Grandin T. Improving Animal Welfare. A practical Approach. Cambridge Univ. Press. 2010.</li> </ol> <p>Optional literature</p> <ol style="list-style-type: none"> <li>5. Fraslin J.M., Monbureau F., Auffray N., Sebastiao L.M., Vermersch D., Kowalska-Pyłka H., Cybulski W., Urban–Chmiel R., Desfontis J.C., Malbert C.H. et al. Bioethics In Life and Environmental Sciences. BRUMAR, 2007.</li> <li>6. Scientific Opinion of the Panel on Animal Health and Welfare <a href="http://www.efsa.europa.eu/fr/scdocs/doc/572.pdf">http://www.efsa.europa.eu/fr/scdocs/doc/572.pdf</a></li> <li>8. Pond W.G., Bazer F.W., Rollin B.E. Animal welfare in animal agriculture. Taylor &amp; Francis, 2012</li> <li>9. Grandin T. Improving Animal Welfare. A practical approach. Cambridge Univ. Press. 2010.</li> </ol>

<p>Planned forms/activities/teaching methods</p>	<p>As a part of the courses, students have the opportunity to participate in classes conducted in the form of lectures and seminars. In addition, they complete some of the issues in the form of group work (e.g. evaluation of welfare in the environment, evaluation of animal behaviour based on films presented during the course), compulsorily each student interprets the legislation on animal protection and welfare (oral answer or a test), may also prepare a project in consultation with the lecturer covering selected issues of welfare, which they then present (voluntary).</p>
<p>Verification methods and ways of documenting the achieved learning outcomes.</p>	<p>Skills (01-04): Students actively participate during classes in the interpretation of legislation and the analysis of welfare in animal keeping environments based on the videos presented by the teacher.</p> <p>Knowledge: verification of the knowledge of the previous completed topics is done in the form of a short test concerning the previous topics (min. 5 short tests).</p> <p>Verification of competency (01-02) based on class participation and semester credit.</p> <p>The final verification of knowledge, skills and competencies of the 01-04 module will take the form of a written assessment in the form of 4 essay questions concerning behavioural issues (1 question), welfare - general issues (1 question) and knowledge of legislation in relation to its use in the creation and monitoring of welfare (2 questions).</p> <p>Alternatively, if the student earns an average grade of at least good in all of the short tests, the student is exempted from the final credit test and the semester price is the average of the grades in all of the tests.</p> <p>A prerequisite for passing the course is at least 80% class attendance and obtaining at least 50% of the points from answers to 4 questions, where the student is obliged to answer at least one question concerning legal regulations</p> <p>Scale of grades:</p> <p>0 - 50% - unsatisfactory  51 - 60% - sufficient  61 - 69% - sufficient plus  70 - 80% - good  81 - 90% - good plus  91 - 100% - very good</p>

ECTS credits	<p>Form of classes: lecture, classes, consultations, preparing for classes, project preparation, studying literature</p> <p>Lecture attendance – 15 hours</p> <p>Participation in laboratory classes and recitation section - 15 hours</p> <p>Preparation for laboratory classes – 9 hours</p> <p>Preparation for recitation section - 6 hours</p> <p>Preparation for the final credit test and attendance at the final credit test - 15 hours + 1 hour = 16 hours</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><b>Form of course</b></th> <th style="text-align: right;"><b>Number of hours</b></th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>ECTS credits</b></td> </tr> <tr> <td></td> <td style="text-align: right;"><b>Contact hours</b></td> <td></td> </tr> <tr> <td>Lectures</td> <td style="text-align: right;">15</td> <td style="text-align: right;">0.5</td> </tr> <tr> <td>classes</td> <td style="text-align: right;">15</td> <td style="text-align: right;">0.5</td> </tr> <tr> <td>Related consultations to preparation for test and exam</td> <td style="text-align: right;">2</td> <td style="text-align: right;">0.07</td> </tr> <tr> <td>Final credit test</td> <td style="text-align: right;">1</td> <td style="text-align: right;">0.03</td> </tr> <tr> <td></td> <td style="text-align: right;"><b>Number of hours</b></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;"><b>Non-contact hours</b></td> <td></td> </tr> <tr> <td>Preparation for laboratory classes</td> <td style="text-align: right;">7</td> <td style="text-align: right;">0.23</td> </tr> <tr> <td>Preparation for recitation section</td> <td style="text-align: right;">5</td> <td style="text-align: right;">0.17</td> </tr> <tr> <td>Preparation for tests and exams</td> <td style="text-align: right;">10</td> <td style="text-align: right;">0.4</td> </tr> <tr> <td>Reading literature</td> <td style="text-align: right;">4</td> <td style="text-align: right;">0.1</td> </tr> <tr> <td><b>TOTAL:</b></td> <td style="text-align: right;"><b>59</b></td> <td style="text-align: right;"><b>2</b></td> </tr> </tbody> </table>	<b>Form of course</b>	<b>Number of hours</b>		<b>ECTS credits</b>				<b>Contact hours</b>		Lectures	15	0.5	classes	15	0.5	Related consultations to preparation for test and exam	2	0.07	Final credit test	1	0.03		<b>Number of hours</b>			<b>Non-contact hours</b>		Preparation for laboratory classes	7	0.23	Preparation for recitation section	5	0.17	Preparation for tests and exams	10	0.4	Reading literature	4	0.1	<b>TOTAL:</b>	<b>59</b>	<b>2</b>
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The workload of activities that requires direct participation of an academic teacher	Lecture attendance - 15 hours, participation in practical classes - 15 hours, consultations - 2 hours; examination (final credit test) - 1 hour																																										
Relation of module learning outcomes to course learning outcomes.	<p>K1.- B.W9+++ , B.W20++</p> <p>K2.- B.W9+++ , B.W20++</p> <p>S1.- A.U19+++ , B.U20+++</p> <p>S2.- BU20++</p> <p>S3.- A.U19++ , B.U20+++</p> <p>S4.- A.U19++ , B.U20+++</p> <p>Sc1.-K1+++ , K5+++ , K11++</p> <p>Sc2.-K1++ , K5+++ , K11+++</p>																																										
Elements and values affecting the final grade	In order to obtain a credit in the course, the student must simultaneously show presence at at least 80% of the exercises and must answer 51% of the final test questions.																																										