

Module title:	Dog and cat internal diseases	ECTS	5
Polish translation:	Choroby wewnętrzne psów i kotów		
Course:	<b>Veterinary Medicine</b>		

Module language: English		Stage: JM-FVM	
Form of studies: <input checked="" type="checkbox"/> intramural <input type="checkbox"/> extramural	Type of module: <input type="checkbox"/> basic <input checked="" type="checkbox"/> directional <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> elective	Semester: 9 Year 5	<input checked="" type="checkbox"/> winter semester <input type="checkbox"/> summer semester
Academic year:		Intake 2020/2021	Catalogue number: <b>FVM-V-JMSS-09W-D19/1_20</b>

Module coordinator:	<b>Prof. dr hab. Roman Lechowski</b>		
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary Medicine, Department of Small Animal Diseases and Clinic. Doctoral students in accordance with the applicable internal legal act. Other specialists depending on the needs and possibilities.		
Unit responsible for the module:	Institute of Veterinary Medicine, Department of Small Animal Diseases with Clinic		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	<p>Program consists of lectures and practical trainings in:</p> <ul style="list-style-type: none"> <li>- Small Animal Internal Diseases (lectures: 30 hrs, practical training 70 hrs)</li> <li>- Feline and Canine hepatobiliary diseases</li> <li>- Feline and Canine pancreatitis</li> <li>- Inflammatory bowel disease, intestinal enteropathies</li> <li>- Pulmonary parenchymal diseases</li> <li>- Glomerulonephritis, renal amyloidosis</li> <li>- Feline idiopathic cystitis, urolithiasis</li> <li>- Infections of the urinary tract</li> <li>- Diseases of the brain</li> <li>- Epilepsy</li> <li>- Vestibular syndrome, breed-related neurological diseases</li> <li>- Feline and canine cardiomyopathies</li> <li>- Diabetes mellitus, diabetes insipidus</li> <li>- Thyroid gland disorders</li> <li>- Adrenal gland disorders</li> </ul> <p>The course will provide the knowledge in diagnostics and treatment of the most common Small Animal diseases. Students, after completing the course should be able to:</p> <ul style="list-style-type: none"> <li>- identify proper signal, the chief complaint,</li> <li>- review medical history,</li> <li>- perform a thorough physical examination,</li> <li>- select diagnostic and therapeutic procedure,</li> <li>- collect and interpret laboratory data,</li> <li>- choose the right treatment and follow-up protocol</li> </ul> <p><b>PRACTICALS - Small animal internal diseases:</b></p> <ul style="list-style-type: none"> <li>- Diagnosis and treatment of canine and feline skin diseases (e.g. pyoderma, feline eosinophilic granuloma complex, dermatomycosis)</li> <li>- Diagnosis and treatment of canine and feline respiratory, urinary, digestive, nervous, cardiovascular system diseases</li> <li>- Diagnosis and treatment of canine and feline haematological disorders</li> </ul>		
Teaching forms, number of hours:	a) Lectures: 30 h b) Practicals: 70 h		
Teaching methods:	Lectures in form of original multimedia presentations, laboratory classes including practical and clinical aspects, clinical practice using patients from the Clinic. According to an internally agreed schedule 1h / week, consultations outside the regular schedule. The manner of organizing consultations will be determined by the subject coordinator at the beginning of the semester.		
Formal prerequisites and initial requirements:	Obtaining a positive final grade in subjects: animal physiology, animal anatomy, histology and embryology, veterinary pharmacology, pathomorphology, diagnostic imaging, clinical and laboratory diagnostics, general surgery and anesthesiology, veterinary epidemiology, parasitology, immunology, biochemistry, microbiology. Knowledge of basics of handling of animals, safety rules, general examination of the animal is necessary.		
Learning outcomes:	<p><b>Knowledge:</b> Student knows:</p> <p>01 and understand the basic internal diseases of dogs and cats</p> <p>02 basic diagnostic methods used in the diagnosis of internal diseases of dogs and cats</p> <p>03 methods of therapeutic treatment of dog and cat diseases</p>	<p><b>Skills:</b> Student is able to:</p> <p>01 conduct an interview, clinical examination and differential diagnosis</p> <p>02 perform an additional test and interpret their result</p> <p>03 choose the appropriate therapeutic method</p>	<p><b>Competences:</b> Student is ready to:</p> <p>01 conduct treatment of internal diseases of dogs and cats with awareness of the responsibility for making decisions towards owners and animals</p> <p>02 cooperate in a team putting animal welfare first</p> <p>03 comply with ethical principles</p>

			04 update knowledge and share knowledge and competences with others.																					
Assessment methods:	<p>The exam in the subject is based on the positive assessment of the single-choice test (60 questions with four answers, of which 1 is correct). The condition of passing the exam is obtaining a minimum of 45 points (75%). Second term as first.</p> <table border="1"> <thead> <tr> <th>Percent of good answer</th> <th>Average</th> <th>Rating</th> </tr> </thead> <tbody> <tr> <td>0- 74.9%</td> <td>0 – 44</td> <td>2.0 (failed)</td> </tr> <tr> <td>75% - 78,9%</td> <td>45 – 47</td> <td>3.0</td> </tr> <tr> <td>79% - 85.9%</td> <td>48 - 50</td> <td>3.5</td> </tr> <tr> <td>86% - 92.9%</td> <td>51 - 54</td> <td>4.0</td> </tr> <tr> <td>93% - 95.9%</td> <td>55 - 57</td> <td>4.5</td> </tr> <tr> <td>96% - 100%</td> <td>58 - 60</td> <td>5.0</td> </tr> </tbody> </table> <p>No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.</p>			Percent of good answer	Average	Rating	0- 74.9%	0 – 44	2.0 (failed)	75% - 78,9%	45 – 47	3.0	79% - 85.9%	48 - 50	3.5	86% - 92.9%	51 - 54	4.0	93% - 95.9%	55 - 57	4.5	96% - 100%	58 - 60	5.0
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Formal documentation of learning outcomes:	Entry to the eHMS system and documentation contained in the 'Course File' (individual student response cards, attendance lists, sets of written questions, students' essays and course regulations).																							
Elements impelling final grade:	<p>Admission to the final exam: The number of absences from classes in accordance with the study regulations as a condition of admission to the test and obtaining credit for practical activities. Final grade: 100% result of the final exam.</p>																							
Teaching base:	The lectures will be held in classrooms of the Faculty of Veterinary Medicine equipped with multimedia facilities; the practical training will be held in Small Animal Clinic																							
<p>Mandatory and supportive materials:</p> <ul style="list-style-type: none"> <li>- S. Birchard, R. Sherding: "Saunders Manual of Small Animal Practice", 3rd edition</li> <li>- England G., von Heimendahl A.: BSAVA Manual of Canine and Feline Reproduction and Neonatology, 2nd edition</li> <li>- J. Elliott, G. Grauer: "BSAVA Manual of Canine and Feline Nephrology and Urology", 2nd edition</li> <li>- S. Ettinger, E. Feldman: „Textbook of Veterinary Internal Medicine", 7th edition</li> <li>- T. Fossum Small Animal Surgery, Third Edition, , Mosby Elsevier 2007</li> <li>- C.E. Greene, Infectious Diseases of the Dog and cat. ed.: IV edition, 2012, Elsevier</li> <li>- E. Hall, JW. Simpson, D. Williams: BSAVA Manual of Canine and Feline Gastroenterology" 2nd edition</li> <li>- Johnston S.D., Root Kustritz M.V., Olson P.N.S.: Canine and Feline Theriogenology. W.B. Saunders Company</li> <li>- R. Nelson, C. Couto: "Small Animal Internal Medicine", 4th edition</li> <li>- Platt. S., Olby N.: "BSAVA Manual of Canine and Feline Neurology", 2nd edition</li> <li>- J. Steiner: "Small Animal Gastroenterology", 2008</li> <li>- E. Thiry: Clinical Virology of the Dog and Cat, 2006, Les Editions du Point Veterinaire</li> <li>- Journal of Feline Medicine and Surgery 2009, vol. 11, issue 7.</li> <li>- Journal of Feline Medicine and Surgery 2013, vol. 15, issue 7</li> </ul>																								
<p>ANNOTATIONS</p> <p>Compliance with health and safety rules, protective apron.</p>																								

Quantitative summary of the module:

Estimated number of work hours per student (contact and self-study) essential to achieve presumed learning outcomes of the module - base for quantifying ECTS:	<b>125 h</b>
Total ECTS points, accumulated by students during contact learning:	<b>3 ECTS</b>

Learning outcomes of the module relative to the learning outcomes of the subject:

Outcome category	Learning outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes (each)
Knowledge -01	Student knows and understand the basic internal diseases of dogs and cats	B.W.1, B.W.3 B.W.2	3 2
Knowledge - 02	Student knows basic diagnostic methods used in the diagnosis of internal diseases of dogs and cats	B.W.2 B.W.4	3 2
Knowledge 03	Student knows methods of therapeutic treatment of dog and cat diseases	B.W.4 B.W.5 B.W.6	2 3 1

Skills 01	Student is able to conduct an interview, clinical examination and differential diagnosis.	B.U.1, B.U.2, B.U.3	2
Skills 02	Student is able to perform an additional test and interpret their result	B.U.6, B.U.7	2
Skills 03	Student is able to choose the appropriate therapeutic method	B.U.13	3
Competences 01	Student is ready to conduct treatment of internal diseases of dogs and cats with awareness of the responsibility for making decisions towards owners and animals	K.S.1, K.S.2 K.S.3 K.S.4	2 1 3
Competences 02	Student is ready to cooperate in a team putting animal welfare first	K.S.2, K.S.3, K.S.6, K.S.7	2
Competences 03	Student is ready to comply with ethical principles	K.S.4, K.S.8	3
Competences 04	Student is ready to update knowledge and share knowledge and competences with others	K.S.8, K.S.9	2