

Module title:	<b>Intensive care of dogs and cats</b>	ECTS	<b>1</b>
Polish translation:	<b>Stany nagłe i intensywne terapie psów i kotów</b>		
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 type="checkbox"/> mandatory <input checked="" type="checkbox"/> elective	Semester: 11 <input checked="" type="checkbox"/> winter semester <input type="checkbox"/> summer semester
Academic year:		<b>2019-2020</b>	Catalogue number: <b>FVM-V-JMSS-11W-ED20_19</b>

Module coordinator:	<b>Ilona Kaszak, DVM</b>		
Teachers responsible for the module:			
Unit responsible for the module:	<b>Institute Veterinary Medicine; Department of Small Animal Disease and Clinic.</b>		
Faculty in charge:	<b>Faculty of Veterinary Medicine</b>		
Objectives of the module:	<p>Presentation and interactive discussion of the most common disturbances encountered in Small Animal Emergency and Critical Care including:</p> <ul style="list-style-type: none"> <li>- procedures of basic and advanced life support [1 h]</li> <li>- assessment and diagnosis of different types of shock (1 h)</li> <li>- triage of the emergency patient and communication with the owner in a stressful situation (1 h)</li> <li>- fluid therapy (1 h)</li> <li>- respiratory emergencies (2 h)</li> <li>- electrolyte and acid-base imbalance (2 h)</li> <li>- selected emergencies of different body systems (e.g. cardiovascular emergencies, haematological emergencies, endocrine emergencies) [2 h]</li> <li>- anesthesia, sedation and analgesia of the critical patient (1 h)</li> <li>- discussion of selected clinical cases (2 h)</li> <li>- interactive assessment of the of the training course effects (2 h)</li> </ul>		
Teaching forms, number of hours:	Lectures; hours : 15		
Teaching methods:	<p>- Interactive presentation of the most common clinical problems in canine and feline emergency and intensive care</p> <p>- Journal scans (review of the scientific papers sent to the students before each lecture)</p> <p>- Brainstorming in solving clinical problems related to inherited diseases</p> <p>Detailed schedule will be defined by the coordinator of the course at the beginning of semester.</p> <p>Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.</p> <p>Detailed schedule will be defined by the coordinator of the course at the beginning of semester.</p>		
Formal prerequisites and initial requirements:	Animal anatomy, Biochemistry, Animal Physiology, Histology and embryology, Topographic anatomy, Diagnostic imaging, Veterinary microbiology, Pathophysiology, Patomorphology, Clinical and laboratory diagnostics, Dog and cat diseases		
Learning outcomes:	<p>Knowledge:</p> <p>Student knows:</p> <ol style="list-style-type: none"> <li>1. causes, symptoms and clinical picture of the most common canine and feline emergencies</li> <li>2. diagnostic methods used for a proper diagnosis of the most common canine and feline emergencies</li> <li>3. therapeutic methods used in the treatment of the most common canine and feline emergencies</li> </ol>	<p>Skills:</p> <p>Student is able to:</p> <ol style="list-style-type: none"> <li>1. diagnose the most common canine and feline emergencies</li> <li>2. choose the most appropriate diagnostic methods based on the observed clinical signs of the most common canine and feline emergencies</li> <li>3. propose the most efficient therapeutic approach for chosen canine and feline emergencies</li> </ol>	<p>Competences:</p> <p>Student is competent to:</p> <ol style="list-style-type: none"> <li>1. plan and guide the diagnostic process of the most common canine and feline emergencies</li> <li>2. take responsibility for his decisions concerning humans, animals and environment</li> <li>3. constantly update knowledge and skills for professional development, communicate with co-workers and share the knowledge</li> </ol>
Assessment methods:	<ol style="list-style-type: none"> <li>1. participation in discussion during the lecture, active participation in "brainstorming" while discussing clinical cases and clinical problems solving – maximum 6 points which is equal to 30% of the final grade</li> <li>2. oral exam consisting of 3 questions (5 points per each question, 15 points the total score), which is equal to 70% of the final grade</li> </ol> <p>Altogether, for an active participation in the discussion and the oral exam, the student can get 21 points and the minimum to pass is 11 points.</p> <p>The grades (2-5) are as follows:</p> <p>0-10 points = 2 fail</p> <p>11-15 points = 3 satisfactory</p> <p>16-19 points = 4 good</p>		

	20-21 points = 5 very good If the students fails the exam, they can take another the exam for the second time (II term) The grading system for the II term is the same as for the first term. No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.
Formal documentation of learning outcomes:	eHMS entry. Records collected in the course portfolio i.e. individual records of student results, presence lists, database of oral and written questions, written assessments of the students.
Elements impelling final grade:	Only the students that were present at the lectures can take the exam. Acceptable non-attendance is 2 hours of lectures.
Teaching base:	Classrooms of the Faculty of Veterinary Medicine equipped with multimedia facilities.
Mandatory and supportive materials : 1. King. G, Boag A. "BSAVA Manual of Canine and Feline Emergency and Critical Care", 3rd edition, 2018 2. Macintire D. et al. "Manual of Small Animal Emergency and Critical Care Medicine", 2nd edition 2012 3. Plunkett S. "Emergency Procedures for the Small Animal Veterinarian", 3rd Edition, 2012 4. Matthews K. Veterinary Emergency Critical Care Manual, Lifelearn Publications, 3rd Edition, 2017 5. Journal of Veterinary Emergency and Clinical Care – relevant articles	
ANNOTATIONS	

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>25 h</b>
Total ECTS points, accumulated by students during contact learning:	<b>1 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*)
Knowledge -	Student knows the causes, symptoms and clinical picture of the most common canine and feline emergencies	B.W.1 B.W.2, B.W.3	3 2
Knowledge -	Student knows diagnostic methods used for a proper diagnosis of the most common canine and feline emergencies	B.W.4 B.W.6, B.W.10 B.W.13	3 1 2
	Student knows therapeutic methods used in the treatment of the most common canine and feline emergencies	B.W.3, B.W.4	3
Skills -	Student can diagnose the most common canine and feline emergencies	B.U.1, B.U.2, B.U.6	3
Skills -	Student can propose the most efficient therapeutic approach and plan follow-up case management	B.U.6	2
	Student can choose the most appropriate diagnostic methods based on the observed clinical signs of the most common canine and feline emergencies	B.W.10, B.W.13	2
Competences -	The graduate is prepared to plan and guide the diagnostic process of most common canine and feline emergencies	K.S.1, K.S.2, K.S.3	2
Competences -	The graduate is prepared to take responsibility for his decisions concerning humans, animals and environment	K.S.1, K.S.2, K.S.3	2
	The graduate is prepared to constantly update knowledge and skills for professional development, communicate with co-workers and share the knowledge	K.S.4 K.S.8, K.S.9	2 3