

# Syllabus

Module title:	Rotation dog and cat surgery	ECTS	1
Polish translation:	Staż chirurgii psów i kotów		
Course:	Veterinary Medicine		

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:	10	<input type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester
Academic year:		Intake	Catalogue number:	FVM-V-JMSS-10S-D20/2_20		
		2020/21				

Module coordinator:	PhD Jan Frymus		
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary Medicine ; Department of Small Animal Diseases with Clinic; PhD students in accordance to the internal legal acts; Other specialists if needed and possible.		
Unit responsible for the module:	IVM, Department of Small Animal Diseases with Clinic		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	<p>The aim of the teaching is to teach the students the skills of examining, diagnosing particular diseases which qualify the patient for surgical treatment, taking into account the method of surgery, choice of anaesthesia and postoperative procedures. During the classes, in particular, the student is required to acquire practical skills such as: injections, intubation, preparation of a tool table for surgery, aseptic preparation of hands for surgery, aseptic wearing of gloves, assisting in surgery with observing the principles of aseptics during the procedure, suturing of the skin, ligation of blood vessels, supervision of anaesthesia. The acquisition of the above skills is enforced from each student's grade and recorded in a personal record of passing the surgical skills. During classes, students also have the opportunity to improve selected surgical skills (suture, knot tying, ligation of blood vessels, osteosynthesis) on isolated organs or phantoms.</p>		
Teaching forms, number of hours:	Clinical laboratories; 30 hours		
Teaching methods:	<p>The subject is conducted in the form of exercises carried out at the clinic's patients. During the classes, the students, in the presence of the lecturer, examine the patient, and then, on the basis of the provided data from the history and the results of the conducted examination and additional tests, the laboratory, radiological and ultrasound examinations make a diagnosis. After the diagnosis of the disease, the possibilities of surgical treatment of choosing one of them are discussed. In the further part of the classes, the students prepare the patient for surgery and participate in the procedure. During the procedure, the coordinator of the course comments stages of the operation. After the procedure is completed, the postoperative procedure, possible complications, methods of convalescence and the way of keeping records are discussed. Detailed schedule will be defined by the coordinator of the course at the beginning of semester. Students are also entitled to 1 hour of consultation per week. Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.</p>		
Formal prerequisites and initial requirements:	Acquisition by students of knowledge in general surgery, traumatology, including the principles of wound healing, basics of anaesthesiology and pre- and postoperative management. The students have basic theoretical knowledge of anatomy and pathophysiology. Clinical and laboratory radiological diagnostics mastered during classes in previous subjects.		
Learning outcomes:	<p><b>Knowledge:</b> The student knows and understands:</p> <ul style="list-style-type: none"> <li>01 rules on the handling and incapacitation of animals</li> <li>02 course of disease, clinical symptoms, diagnosis and surgical treatment of selected diseases of dogs and cats</li> <li>03 basic issues in the field of small animal anaesthesiology. He knows anaesthetic protocols.</li> </ul>	<p><b>Skills:</b> Student can:</p> <ul style="list-style-type: none"> <li>01 maintain the principles of surgical aseptic when moving around the operating theatre and participating in operations</li> <li>02 perform a Clinical examination, make an initial diagnosis and verify it with additional studies</li> <li>03 perform all activities related to the preparation of the patient for the procedure on your own</li> <li>04 assist with surgery and perform simple surgical procedures</li> <li>05 determine the detailed postoperative procedure</li> <li>06 conduct an interview with the animal owner at each stage of the patient's stay at the Clinic</li> </ul>	<p><b>Competences:</b> The student is ready:</p> <ul style="list-style-type: none"> <li>01 to plan and conduct treatment in selected small animal surgical diseases</li> <li>02 to cooperate in the medical team with the anaesthesiologist and support staff</li> <li>03 for updating knowledge and to act in accordance with the principles of professional ethics</li> <li>04 to critically assess their knowledge and use scientific sources to supplement it</li> <li>05 to share knowledge and competences with others</li> </ul>
Assessment methods:	<p>Credit is given on the basis of confirmation of the acquisition of selected practical skills during the classes. The acquisition of practical skills (preparation of the surgical field, preparation of the instrumental table, aseptic wearing of gloves, intubation, assistance for surgery, vessel ligation, tissue suturing, supervision of anaesthesia) is assessed successively during the clinical examination, surgical treatment or classes on isolated organs or phantoms. Students are required to record surgical cases in the practice journal. Moreover, students, in groups of several persons, prepare and present a detailed description of a selected case of surgical operations. The student must pass at least 6 skills from the above in order to obtain a positive mark. Confirmation that the skills have been passed is recorded in the first day's skill book.</p> <p>Final Skill Scale</p>		

	7-8 skills passed grade 5 (very good) 6 skills passed grade 4 (good) 5 skills passed grade 3 (sufficient) Key persons preparing the presentation - assessment of the description of a selected clinical case (the assessment takes into account: the way of presentation, the scope of content, the correctness of establishing the diagnostic and therapeutic procedure and conducting discussions and answering questions. Scale discretionary scale - rating from 3-5
Formal documentation of learning outcomes:	Participation in classes according to the study regulations. Completed and described clinical cases in the practice diary confirmed by the teacher leading the internship group. Entry in the internship card (internal document) confirming that the practical activities have been passed in accordance with the grading scale. In case of persons preparing the presentation (determined according to the rules of passing the internship from diseases of dogs and cats) Students present a detailed description of a selected clinical case together with a description of surgical treatment.
Elements impelling final grade:	Final marker 100 % on passing the skills. The assessment from the presentation has an impact only on the final assessment of the diseases of dogs and cats.
Teaching base:	Clinics, operating theatres, Small Animals Diseases and Clinics Hospital
Mandatory and supportive materials : Small Animal Surgery by Theresa Welch Fossum ELSEVIER 2018 Relevant scientific publications, including those of the module coordinator.	
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>30 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 -1	rules on the handling and incapacitation of animals	B.W.4, B.W.5	3
Knowledge -2	course of disease, clinical symptoms, diagnosis and surgical treatment of selected diseases of dogs and cats	B.W.2, B.W.3, B.W.4	3
Knowledge -3	basic issues in the field of small animal anaesthesiology. He knows anaesthetic protocols.	B.W. 6, B.W.9	2
Skills -1	maintain the principles of surgical aseptic when moving around the operating theatre and participating in operations	B.U. 14	3
Skills -2	The student is able to perform basic surgical activities connected with making a diagnosis and preparing the patient for surgery.	B.U.1, B.U.2, B.U.3, B.U.4	3
Skills -3	The student can assist during the operation, perform simple surgical procedures, use methods of safe sedation, anaesthesia, and determine the postoperative management	B.U. 11, B.U.13	3
Competences -1	The student is ready to plan and treat selected surgical diseases in dogs and cats	K.S.1, K.S.2, K.S.4	2
Competences -2	The student is ready to cooperate in the medical team with the anaesthesiologist and support staff	K.S.5, K.S.7, K.S.9	2
Competences -3	The student is ready to update his knowledge and conduct in accordance with the rules of professional ethics	K.S.4, K.S.5, K.S.8	1
Competences -4	The student is ready to critically assess his knowledge and use scientific sources to supplement it.	K.S.4, K.S.8, K.S.9	3
Competences -5	The student is willing to share his knowledge and competences with others	K.S.3 K.S.9	2