Code of subject	M_WE SEM6 CHIR ANG			
Field of study	Veterinary medicine			
Name of the programme module	General surgery and anesthesiology			
	Chirurgia ogólna I anestezjologia			
Language of instruction	English			
Type of the training module	Obligatory			
Level of the training module	Master level			
Form of studies	Full-time			
Location in the programme (year)	III			
Location in the programme (year)	VI			
Number of ECTS credits with a division	3 (2,3/0,7)			
into contact/noncontact	3 (2,3/0,7)			
	Prof. dr hab. Ireneusz Balicki			
Name and surname of the person in	Prof. of flab. frefleusz Balicki			
charge	Donoutes out and Clinia of Animal Company, Tagethy of Vetaninam,			
Unit offering the subject	Department and Clinic of Animal Surgery, Faculty of Veterinary			
Aire of the meadule	Medicine, University of Life Sciences in Lublin, Poland			
Aim of the module	To learn about the methods for anaesthesia in animals, and			
	about surgical instruments and anaesthetic apparatus, tissue			
	sealing, bleeding control, applying a dressing, the principles of			
	surgical asepsis and antisepsis, the methods for instrument			
	sterilisation, the principles for the management of surgical			
	emergency cases			
Learning outcomes – the total number	Knowledge:			
of learning outcomes may not exceed	K1. Student has the knowledge of drugs that are used for			
(4-8) for the module. The description of	premedication and general anaesthesia, the methods for local			
the intended learning outcomes that a	and general anaesthesia and the management of surgical			
student should achieve after the	emergency cases.			
completion of the module should be	K2. Is familiar with the diagnostics and therapy of wounds, closed			
provided. The outcomes for all forms of	injuries, haematomas, abscesses, lymphomas.			
classes used should be presented.	K3. Is familiar with surgical instruments and anaesthetic			
	apparatus, and the methods for tissue cutting and sealing,			
	bleeding control and dressing application.			
	Skills::			
	S1. Is able to apply appropriate sedation and carry out general			
	and local anaesthesia, manage pain and provide first aid to			
	patients with bleeding, wounds, multi-organ injury and			
	anaesthesiological complications.			
	S2. Possesses the skill of applying and using surgical instruments			
	and anaesthetic apparatus.			
	S3. Is able to apply surgical aseptic and antiseptic techniques and			
	sterilise instruments.			
	Social competencies:			
	Sc1. Acts in accordance with the principles of veterinary			
	deontology that pertain to aspects of the management of			
	emergency cases and pain relief.			
	Sc2. Has the understanding of pain in animals, aims to improve			
	animal welfare and to increase the awareness of the subject			
	among animal owners, and cooperates with animal owners as			
	part of the provided therapy.			
Preliminary and additional	according to the Resolution on the Sequence			
requirements				

Contents of the training module – a	Co	ontents of the lectures (on a 1 hour basis):		
compact description		Phenothiazine derivatives		
ompact description		Benzodiazepine derivatives		
		3. α2 agonists		
		Butyrophenone derivatives		
		5. Muscle relaxants, painkillers		
		6. Ketamine		
		7. Tiletamine, propofol, etomidat		
		8. Fundamentals of general anaesthesia		
		9. Inhalation anaesthesia		
		10. Patients with multi-organ injury		
		11. Management of emergency cases		
		12. Closed injuries, abscesses, haematomas, lymphomas		
		13. Wounds		
		14. Wound healing		
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	C0	ontents of the classes (on a 2 hours basis)		
		Taming animals. Surgical and wound examination plans		
		2. Local analgesua		
		3. Epidural anesthesia. Small animal anesthesia schemes4. Bird anesthesia. Anesthesia of rabbits and rodents		
		5. Anesthesia of horses. Seminar classes		
		6. Infusions, injections, punctures		
		7. Dressings and dressing materials		
		8. Surgical sutures and suturing of tissues		
		9. Surgical sutures and suturing of tissues		
		10. Surgical sutures and suturing of tissues.		
		11. Preparation of the patient for surgery, asepsis,		
		antiseptics, sterilization of surgical instruments. Surgical instruments.		
		12. Equipment for inhalation anesthesia. Seminar classes		
		13. Monitoring of general anesthesia. Inhalation anesthesia,		
		clinical application		
		14. Tissue cutting, hemorrhages. Seminar classes		
		15. Completing exercises		
Recommended and obligatory reading	1.	Tranquilli W.J., Thurman J.C., Grimm K.A.: Veterimary		
list		anaesthesia and analgesia		
	2.	Seymour c., Gleed R.: Manual of small animal anaesthesia and		
		analgesiala		
The intended forms/activities/ teaching	1.	Multimedia presentations		
methods	2.	Restraining animals in practice		
	3.	Practical demonstration of premedication, infusion and		
		inhalation anaesthesia		
	4.	Monitoring of an anaesthetic patient in practice		
	5.	Demonstration of surgical instruments and anaesthetic		
		apparatus and their application in practice		
	6.	Practical teaching of methods for applying surgical sutures		
	7.	Applying a dressing		
	8.	Discussion of the action of particular drugs by students		
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Methods of verification and documentation forms of the achieved learning outcomes Balance of ECTS credits	Verification of the student's knowledge: discussion, oral test, written test, exam. Students' knowledge acquired during classes is assessed on the basis of two tests - oral or written tests, the score of which above good entitles them to be exempted from the anesthesiology part of the exam. The exam is conducted in the form of a test or descriptive exam. Verification of the student's skills: practical credit, which is part of the exam, on surgical instruments and tissue suturing, and evaluation of a practical task. Verification of social competences: discussion, analysis of clinical situations, assessment of cooperation and self-education skills					
balance of EC13 credits	CONTACT	Hours	ECTS			
	Loctures	15				
	Lectures Classes	30	0,6			
	Consultation	5	0,2			
	Test and exam	8	0,3			
	IN TOTAL	58	2,3			
	NO CONTACT	38	2,3			
	preparation for exercises	8	0,3			
	preparation for credits	10	0,3			
	IN TOTAL	18	0,7			
The workload of activities that requires	Participation in lectures	15	0,6			
direct participation of an academic	Participation in exercises	30	1,2			
teacher	Consultation	5	0,2			
	Test and exam	8	0,3			
	IN TOTAL	58	2,3			
Relationship between subject learning						
outcomes and veterinary studies learning outcomes Impact of selected compounds to final	K1 – WE_W16++, WE_W17++, WE_W18++, WE_W21++ K2 – WE_W16++, WE_W17++, WE_W18++, WE_W21++ K3 – WE_WW16++, WE_W18++, S1 – WE_U5++, WE_U8A++, WE_U14++, WE_U17++, WE_U24++, WE_U27++, S2- WE_U8A++, WE_U5++, WE_U20++, WE_U24++, S3 – WE_U5++, WE_U26++, Sc1 – WE_K1++, WE_K2++, WE_K5++, WE_K7++, WE_K10++ Sc2 – WE_K1++, WE_K2++, WE_K5++, WE_K7++, WE_K10++ The final grade is influenced by the result of practical tests for					
grade	The final grade is influenced by the result of practical tests for surgical instruments and sewing as well as the result of the exam. They constitute, respectively: 25% - practical test in sewing, 25% - practical test in surgical instruments, 50% - exam. The descriptive exam is graded on the average of the grades obtained from the three questions. Exam in the form of a test - a satisfactory grade is 60% of correct answers.					