

Code of subject	M_WE SEM6 ANEST
Field of study	Veterinary medicine
Name of the programme module	Anaesthesiology Anestezjologia
Language of instruction	English
Type of the training module	Obligatory
Level of the training module	Master level
Form of studies	Full-time/part-time
Location in the programme (year)	III
Location in the programme (semester)	VI
Number of ECTS credits with a division into contact/noncontact	2 (1,56/0,44)
Name and surname of the person in charge	Prof. dr hab. Ireneusz Balicki
Unit offering the subject	Department and Clinic of Animal Surgery, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland
Aim of the module	To learn about the methods for anaesthesia in animals, and anaesthetic apparatus, including the principles for the management of surgical emergency cases
Learning outcomes	<p>Knowledge:</p> <p>K1. Student has the knowledge of drugs that are used for premedication and general anaesthesia, the methods for local and general anaesthesia and the management of surgical emergency cases.</p> <p>Skills:</p> <p>S1. Student is able to apply adequate sedation, perform general and local anesthesia and manage complications of anesthesia</p> <p>S2. Student can apply and use anesthetic apparatus</p> <p>Social competencies:</p> <p>C1. Acts in accordance with the principles of veterinary deontology that pertain to aspects of the management of emergency cases and pain relief.</p> <p>C2. 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</p>
Preliminary and additional requirements	according to the sequence of subjects

<p>Contents of the training module – a compact description</p>	<p>Contents of the lectures (on a 1 hour basis):</p> <ol style="list-style-type: none"> 1. Premedication. Phenothiazine derivatives 2. Benzodiazepine derivatives 3. α2 agonists 4. Muscle relaxants, painkillers 5. Ketamine 6. Tiletamine, propofol, etomidat 7. Fundamentals of general anaesthesia 8. Inhalation anaesthesia 9. Patients with multi-organ injury 10. Management of emergency cases <p>Contents of the classes (on a 2 hours basis)</p> <ol style="list-style-type: none"> 1. Local analgesia 2. Epidural anesthesia. Small animal anesthesia schemes 3. Bird anesthesia. Anesthesia of rabbits and rodents 4. Anesthesia of horses. 5. Equipment for inhalation anesthesia. Seminar classes 6. Monitoring of general anesthesia. Inhalation anesthesia, clinical application 7. Completing exercises 																								
<p>Recommended and obligatory reading list</p>	<ol style="list-style-type: none"> 1. Tranquilli W.J., Thurman J.C., Grimm K.A.: Veterinary anaesthesia and analgesia 2. Seymour c., Gleed R.: Manual of small animal anaesthesia and analgesia 																								
<p>The intended forms/activities/ teaching methods</p>	<ol style="list-style-type: none"> 1. Multimedia presentations 2. Practical demonstration of premedication, infusion and inhalation anaesthesia 3. Monitoring of an anaesthetic patient in practice 4. Demonstration of anaesthetic apparatus and their application in practice 5. Discussion of the action of particular drugs by students 																								
<p>Methods of verification and documentation forms of the achieved learning outcomes</p>	<p>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 final exam. The exam is conducted in the form of a test or descriptive exam.</p> <p>During the written or oral test, the student receives three questions. Passing is assessed on the basis of the average of the marks obtained from three questions Final credit is in the form of a descriptive or a test. Written test in the form of open questions is assessed on the basis of the average of the marks obtained from three questions. Exam in the form of a test - 30 questions.</p> <p>Verification of the student's skills: the ability to use anesthetic equipment and patient intubation Verification of social competences: discussion, analysis of clinical situations, assessment of cooperation and self-education skills</p> <p>The grading scale is in line with Faculty Book of Education Quality</p>																								
<p>Balance of ECTS credits</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">CONTACT</th> </tr> <tr> <th style="text-align: left;"><i>Hours</i></th> <th></th> <th style="text-align: right;"><i>ECTS</i></th> </tr> </thead> <tbody> <tr> <td>lectures</td> <td style="text-align: center;"><i>11</i></td> <td style="text-align: right;"><i>0,44</i></td> </tr> <tr> <td>exercises</td> <td style="text-align: center;"><i>14</i></td> <td style="text-align: right;"><i>0,56</i></td> </tr> <tr> <td>Consultation</td> <td style="text-align: center;"><i>5</i></td> <td style="text-align: right;"><i>0,2</i></td> </tr> <tr> <td>Test</td> <td style="text-align: center;"><i>6</i></td> <td style="text-align: right;"><i>0,24</i></td> </tr> <tr> <td>exam</td> <td style="text-align: center;"><i>3</i></td> <td style="text-align: right;"><i>0,12</i></td> </tr> <tr> <td>TOTAL</td> <td style="text-align: center;"><i>39</i></td> <td style="text-align: right;"><i>1,56</i></td> </tr> </tbody> </table>	CONTACT			<i>Hours</i>		<i>ECTS</i>	lectures	<i>11</i>	<i>0,44</i>	exercises	<i>14</i>	<i>0,56</i>	Consultation	<i>5</i>	<i>0,2</i>	Test	<i>6</i>	<i>0,24</i>	exam	<i>3</i>	<i>0,12</i>	TOTAL	<i>39</i>	<i>1,56</i>
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	NON-CONTACT		
	preparation for exercises	5	0,2
	preparation for credits	6	0,24
	TOTAL	11	0,44
The workload of activities that requires direct participation of an academic teacher	Participation in lectures	11	0,44
	Participation in exercises	14	0,56
	Consultation	5	0,2
	Test	6	0,24
	exam	3	0,12
	TOTAL	39	1,56
Relationship between subject learning outcomes and veterinary studies learning outcomes	K1 – B.W2.++, B.W5++, B.W6.++ S1 – B.U1.++, B.U2.++, B.U3.++, B.U4.++, B.U11.++, B.U12.++, B.U15.++ S2- B.U7.++ B.U11.++ C1 – K1++ , K2++, K8++, K10++ C2 – K1++, K2++, K8++, K10++		
Impact of selected compounds to final grade	In the case of exemption from the final exam on the basis of two exams, of which the grade above good entitles to exemption from the final exam, the result is the average of the grades from these two exams.		