

Code of subject	M_WE SEM6 CHIR
Field of study	Veterinary medicine
Name of the programme module	General surgery Chirurgia ogólna
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 (semester)	VI
Number of ECTS credits with a division into contact/noncontact	2 (1,52/0,48)
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 surgical instruments and the principles of asepsis, surgical antiseptics, as well as methods of instrument sterilization; practical teaching of tissue fusion, haemorrhage control, and dressing application.
Learning outcomes	<p>Knowledge:</p> <p>K1. student knows the principles of diagnostics and therapy of wounds, closed injuries, abscesses, hematomas, lymphomas</p> <p>K2. Student knows the surgical instruments, methods of cutting and fusing tissues, stopping hemorrhages, methods of applying dressings</p> <p>Skills:</p> <p>S1. Student can provide first aid in cases of hemorrhages, wounds and multi-organ injuries.</p> <p>S2. Student can apply and use surgical instruments.</p> <p>S3. Student can use asepsis, surgical antiseptics and sterilize instruments</p> <p>Social competences:</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
Contents of the training module – a compact description	Contents of the lectures (on a 1 hour basis): 1. Closed injuries,

	<ol style="list-style-type: none"> <li>2. Abscesses, haematomas, lymphomas</li> <li>3. Wounds</li> <li>4. Wound healing</li> </ol> <p>Contents of the classes (on a 2 hours basis)</p> <ol style="list-style-type: none"> <li>1. Taming animals.</li> <li>2. Surgical and wound examination plans</li> <li>3. Infusions, injections, punctures</li> <li>4. Dressings and dressing materials</li> <li>5. Dressings and dressing materials-practical credit</li> <li>6. 5. Surgical sutures and suturing of tissues</li> <li>7. Surgical sutures and suturing of tissues</li> <li>8. Surgical sutures and suturing of tissues. practical credit</li> <li>9. Preparation of the patient for surgery, asepsis, antiseptics, sterilization of surgical instruments. Surgical instruments</li> <li>10. Tissue cutting, hemorrhages. Seminar classes</li> <li>11. Completing exercises</li> </ol>
Recommended and obligatory reading list	<ol style="list-style-type: none"> <li>1. General Animal Surgery and Anesthesiology: With Theory and Practicals by A.K. Gangwar, Naveen Kumar, Kh. Sangeeta Devi October 2009 (Republished in 2020)</li> <li>2. Veterinary Surgery: Small Animal Karen M. Tobias , Spencer A. Johnston Gandalf.com.pl</li> <li>3. Tranquilli W.J., Thurman J.C., Grimm K.A.: Veterimary anaesthesia and analgesia</li> <li>4. Seymour c., Gleed R.: Manual of small animal anaesthesia and analgesia</li> </ol>
The intended forms/activities/teaching methods	<ol style="list-style-type: none"> <li>1. Multimedia presentations</li> <li>2. Practical taming of animals</li> <li>3. Demonstration of surgical instruments and anesthetic apparatus and their practical application</li> <li>4. Practical learning of methods of chirurgical suturing and tying surgical sutures</li> <li>5. Applying dressings</li> </ol>

<p>Methods of verification and documentation forms of the achieved learning outcomes</p>	<p>Verification of the student's knowledge: discussion, oral test, exam. Students' knowledge acquired during the course is checked on the basis of three tests - oral tests combined with the practical execution of surgical suturing, applying dressings and recognizing surgical instruments. During the test, the student receives three questions. Passing is assessed on the basis of the average of the marks obtained from three questions. The exam is in the form of a written or test. The written exam in the form of open questions is assessed on the basis of the average grade obtained from three questions. Exam in the form of a test - 20 questions. Verification of the student's skills: as part of the exam on dressings, surgical instruments and suturing tissues as well as evaluation of a practical task. Verification of social competences: discussion, analysis of clinical situations, assessment of cooperation and self-education skills The grading scale is in line with Faculty Book of Education Quality</p>																																				
<p>Balance of ECTS credits The workload of activities that requires direct participation of an academic teacher</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;"><b>CONTACT</b></th> </tr> <tr> <th style="text-align: left;"><i>Godziny</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;">4</td> <td style="text-align: right;">0,16</td> </tr> <tr> <td>exercises</td> <td style="text-align: center;">21</td> <td style="text-align: right;">0,84</td> </tr> <tr> <td>Consultation</td> <td style="text-align: center;">4</td> <td style="text-align: right;">0,16</td> </tr> <tr> <td>retake tests</td> <td style="text-align: center;">6</td> <td style="text-align: right;">0,24</td> </tr> <tr> <td>exam</td> <td style="text-align: center;">3</td> <td style="text-align: right;">0,12</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: center;"><b>38</b></td> <td style="text-align: right;"><b>1,52</b></td> </tr> <tr> <th colspan="3" style="text-align: center;"><b>NON-CONTACT</b></th> </tr> <tr> <td>preparation for exercises</td> <td style="text-align: center;">6</td> <td style="text-align: right;">0,24</td> </tr> <tr> <td>preparation for credits</td> <td style="text-align: center;">6</td> <td style="text-align: right;">0,24</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: center;"><b>12</b></td> <td style="text-align: right;"><b>0,48</b></td> </tr> </tbody> </table>	<b>CONTACT</b>			<i>Godziny</i>		<i>ECTS</i>	lectures	4	0,16	exercises	21	0,84	Consultation	4	0,16	retake tests	6	0,24	exam	3	0,12	<b>TOTAL</b>	<b>38</b>	<b>1,52</b>	<b>NON-CONTACT</b>			preparation for exercises	6	0,24	preparation for credits	6	0,24	<b>TOTAL</b>	<b>12</b>	<b>0,48</b>
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<p>Relationship between subject learning outcomes and veterinary studies learning outcomes</p>	<p>K1 – B.W1.++, B.W4.++, B.W5.++  K2 – B.W4.++,  S1 – B.U1.++, B.U2.++, B.U3.++, B.U4.++, B.U11.++, B.U12.++, B.U15.++  S2- B.U7.++ B.U11.++  S3 – B.U7.++ , B.U10.++, B.U11.++, B.U14++  C1 – K1++ , K2++, K8++, K10++  C2 – K1++, K2++, K8++, K10++</p>																																				
<p>Impact of selected compounds to final grade</p>	<p>The final grade is influenced by the result of practical tests for dressings, surgical instruments and surgical suturing as well as the result of the exam. They constitute, respectively: 25% - a practical test for dressings, 25% - a practical test for surgical instruments, 25% - a test for surgical suturing and 30% - an exam.</p>																																				

