



SZKOŁA GŁÓWNA  
GOSPODARSTWA  
WIEJSKIEGO

## Small animal bone and joint surgery

### Educational subject description sheet

#### Basic information

<b>Field of study</b> Veterinary Medicine	<b>Didactic cycle</b> 2024/25
<b>Speciality</b> -	<b>Subject code</b> WETFVMS_D.5400.01822.24
<b>Organizational unit</b> Faculty of Veterinary Medicine	<b>Lecture languages</b> english
<b>Study level</b> long-cycle	<b>Mandatory</b> Elective subjects
<b>Study form</b> full-time studies	<b>Block</b> Major subjects
<b>Education profile</b> General academic	<b>Disciplines</b> Veterinary medicine
<b>Coordinator</b>	Jacek Sterna
<b>Teacher</b>	Jacek Sterna, Beata Degórska, Jan Frymus, Joanna Berczyńska
<b>Period</b> Semester 11	<b>Examination</b> Pass with grade
	<b>Activities and hours</b> Laboratory exercises: 30
	<b>Number of ECTS points</b> 2

#### Goals

Code	Goal
C1	The aim of the subject is to enable students to gain knowledge and practical abilities that are essential for a veterinary practitioner to work in a small animal clinic within the scope of use of diagnostic and treatment methods in the most common orthopedic diseases of small animals.

## Entry requirements

Dog and cats diseases; General Surgery and Anaesthesiology

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	disorders on the organ and system levels occurring in the course of the orthopedic disease. how to diagnose an orthopedic problem in an animal and chooses treatment	B.W1, B.W2, B.W3, B.W4	Presentation, Assessment of work in the laboratory
<b>Skills - Student can:</b>			
U1	carry out full clinical evaluation, formulates clear case studies and knows how to create documentation according to the current laws and regulations, in the form understandable for the owner of the animal and clear for other veterinary surgeons. perform first aid procedures	B.U10, B.U2, B.U3, B.U4	Presentation, Assessment of work in the laboratory
<b>Social competences - Student is ready to:</b>			
K1	to operate in the interdisciplinary team develops a habit of constantly updating his knowledge and skills and knows his limitations,	KS.7, KS.8	Presentation, Assessment of work in the laboratory

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Topics of practical classes: 1. Training in diagnosis and therapy during consultation of patients and patient treatment 2. Training of the diagnostic test of sedated patient before the surgical procedures of orthopedic cases, and assistance during surgery. 3. Tendon suturing on biological material (I part). 4. Tendon suturing on biological material (II part). 5. Osteosynthesis on bone models 6. teachers presentation concerning treatment of orthopedic diseases 7. Students' presentations and discussion.	W1, U1, K1	Laboratory exercises

## Course advanced

Activities	Methods of conducting classes
Laboratory exercises	Presentation, Analysis of source materials, Mastery of movement and stabilization of the technique, Laboratory (experiment), learning by experiment, Display

Activities	Examination method	Percentage
Laboratory exercises	Presentation	50%
Laboratory exercises	Assessment of work in the laboratory	50%

Activities	Credit conditions
Laboratory exercises	Grade from practicals - the average of three grades: Assessment of the student activity during consultation and patients treatments is counted as first grade from practical and grade for tendon sutures is the second and grade for osteosynthesis constructs is the third Assessment of the presentation based on Presentation Assessment Form. For grades: "4.5" and "5" not only internet sites and textbooks (manuals) but contemporary papers from clinical journals should be cited. Grades for presentations: 14 points =5. 13 points = 4,5 12 points = 4. 11 points = 3,5. 10 points = 3. 1-9 points = 2. In case the presentations receives grade 2, students have the possibility correct their work and present it again. The final grade is the average of the grade from practicals and the grade from the presentation

## Literature

### Obligatory

1. Small Animal Surgery, Third Edition, Theresa Welch Fossum, Mosby Elsevier 2007 or more recent edition
2. Brinker, Piermattei and Flo's Handbook of Small Animal Orthopedics and Fracture Repair, 5th Edition Elsevier 2016

### Optional

1. Relevant scientific publications, including those of the module coordinator.

## Calculation of ECTS points

Activity form	Activity hours*
Laboratory exercises	30
Preparation of a multimedia presentation	30
<b>Student workload</b>	<b>Hours</b> 60
<b>Number of ECTS points</b>	<b>ECTS</b> 2

\* hour means 45 minutes

## Effects

Code	Content
KS.7	Absolwent jest gotów do rzetelnej samooceny, formułowania konstruktywnej krytyki w zakresie praktyki weterynaryjnej, przyjmowania krytyki prezentowanych przez siebie rozwiązań, ustosunkowywania się do niej w sposób jasny i rzeczowy, także przy użyciu argumentów odwołujących się do dostępnego dorobku naukowego w dyscyplinie
KS.8	Absolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności
B.U2	Absolwent potrafi przeprowadzić wywiad lekarsko-weterynaryjny w celu uzyskania dokładnej informacji o pojedynczym zwierzęciu lub grupie zwierząt oraz jego lub ich środowisku bytowania
B.U3	Absolwent potrafi przeprowadzać pełne badanie kliniczne zwierzęcia
B.U4	Absolwent potrafi udzielać pierwszej pomocy zwierzętom w przypadku krwotoku, ran, zaburzeń oddechowych, urazów oka i ucha, utraty przytomności, wyniszczenia, oparzenia, uszkodzenia tkanek, obrażeń wewnętrznych i zatrzymania pracy serca
B.U10	Absolwent potrafi przepisywać i stosować weterynaryjne produkty lecznicze oraz materiały medyczne, z uwzględnieniem ich bezpiecznego przechowywania i utylizacji
B.W1	Absolwent zna i rozumie zaburzenia na poziomie komórki, tkanki, narządu, układu i organizmu w przebiegu choroby
B.W2	Absolwent zna i rozumie mechanizmy patologii narządowych i ustrojowych
B.W3	Absolwent zna i rozumie przyczyny i objawy zmian anatomopatologicznych, zasady leczenia i zapobiegania w poszczególnych jednostkach chorobowych
B.W4	Absolwent zna i rozumie zasady postępowania diagnostycznego, z uwzględnieniem diagnostyki różnicowej, oraz postępowania terapeutycznego