



SZKOŁA GŁÓWNA  
GOSPODARSTWA  
WIEJSKIEGO

## Surgery of genital organs of dogs and cats (solo castration)

### Educational subject description sheet

#### Basic information

|                                                                                                                                                                                                                                                                      |                                                                                                      |                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Field of study</b><br>Veterinary Medicine<br><b>Speciality</b><br>-<br><b>Organizational unit</b><br>Faculty of Veterinary Medicine<br><b>Study level</b><br>long-cycle<br><b>Study form</b><br>full-time studies<br><b>Education profile</b><br>General academic |                                                                                                      | <b>Didactic cycle</b><br>2025/26<br><b>Subject code</b><br>WETFVMS_D.5400K.01825.25<br><b>Lecture languages</b><br>english<br><b>Mandatory</b><br>Elective subjects<br><b>Block</b><br>Major subjects<br><b>Disciplines</b><br>Veterinary medicine |
| <b>Coordinator</b>                                                                                                                                                                                                                                                   | Piotr Jurka                                                                                          |                                                                                                                                                                                                                                                    |
| <b>Teacher</b>                                                                                                                                                                                                                                                       | Piotr Jurka, Ilona Kaszak                                                                            |                                                                                                                                                                                                                                                    |
| <b>Period</b><br>Semester 11                                                                                                                                                                                                                                         | <b>Examination</b><br>Pass with grade<br><br><b>Activities and hours</b><br>Laboratory exercises: 20 | <b>Number of ECTS points</b><br>1                                                                                                                                                                                                                  |

#### Goals

| Code | Goal                                                                                                                                                                                                                                                                             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C1   | The course will provide the knowledge of the specificity of dogs and cats reproduction in comparison to other animal species. Content of the curriculum will be implemented in two groups of issues: 1) physiology of reproduction, 2) pathology of reproduction and obstetrics. |

## Entry requirements

Animal anatomy, Animal physiology, Veterinary pharmacology, Pathomorphology, Diagnostic imaging, Veterinary microbiology, Animal pathophysiology, Clinical and laboratory diagnostics, General surgery and anaesthesiology

## Subject's learning outcomes

| Code                                              | Outcomes in terms of                                                                                                                                               | Effects                      | Examination methods                   |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------|
| <b>Knowledge - Student knows and understands:</b> |                                                                                                                                                                    |                              |                                       |
| W1                                                | differentiates the normal and abnormal reproductive mechanisms                                                                                                     | B.W1, B.W12, B.W4, B.W5      | Assessment of activity during classes |
| W2                                                | the clinical manifestations of reproductive mediated diseases and knows other diseases with similar clinical appearance                                            | B.W1, B.W2, B.W3, B.W5, B.W6 | Assessment of activity during classes |
| W3                                                | the diagnostic schemes and protocols (including differential diagnosis) for reproductive diseases                                                                  | B.W1, B.W3, B.W4, B.W5, B.W6 | Assessment of activity during classes |
| W4                                                | the therapeutic schemes and protocols recommended for reproductive diseases, pharmacodynamics properties of recommended products                                   | B.W1, B.W4, B.W5, B.W6       | Assessment of activity during classes |
| <b>Skills - Student can:</b>                      |                                                                                                                                                                    |                              |                                       |
| U1                                                | describe the mechanisms of reproductive diseases                                                                                                                   | B.U1, B.U13, B.U3, B.U6      | Assessment of activity during classes |
| U2                                                | use the current nomenclature                                                                                                                                       | B.U1, B.U3, B.U6             | Assessment of activity during classes |
| U3                                                | plan the diagnostic procedures (including differential diagnosis) in the reproductive diseases                                                                     | B.U1, B.U3, B.U6             | Assessment of activity during classes |
| U4                                                | plan and monitor the treatment strategies                                                                                                                          | B.U1, B.U2, B.U3, B.U5       | Assessment of activity during classes |
| <b>Social competences - Student is ready to:</b>  |                                                                                                                                                                    |                              |                                       |
| K1                                                | make decisions based primarily on the animal welfare                                                                                                               | KS.1, KS.10, KS.5, KS.8      | Assessment of activity during classes |
| K2                                                | create opinion about understand the onset of the disease, clinical appearance and therapeutic process in the context of normal and abnormal reproductive functions | KS.1, KS.2, KS.3, KS.5       | Assessment of activity during classes |
| K3                                                | the necessity of constant education using scientific sources                                                                                                       | KS.1, KS.2, KS.3, KS.5       | Assessment of activity during classes |

## Study content

| No. | Course content                                                                                                                                                                                                                                                                                                                                                                                                      | Subject's learning outcomes                | Activities           |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------|
| 1.  | <ul style="list-style-type: none"> <li>• Methods aimed on teaching practical skills: • - review medical history, • - perform a thorough physical examination, • - select diagnostic and therapeutic procedure, • - collect and interpret laboratory data, • - perform basic surgery procedures and anaesthesia protocols • - choose the right treatment and follow-up protocol • Consultations (1h/week)</li> </ul> | W1, W2, W3, W4, U1, U2, U3, U4, K1, K2, K3 | Laboratory exercises |

### Course advanced

| Activities           | Methods of conducting classes                                         |
|----------------------|-----------------------------------------------------------------------|
| Laboratory exercises | E-learning - lecture part, Presentation, Analysis of source materials |

| Activities           | Examination method                    | Percentage |
|----------------------|---------------------------------------|------------|
| Laboratory exercises | Assessment of activity during classes | 100%       |

| Activities           | Credit conditions                                                                                                                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Laboratory exercises | <p>The full assessment will be accomplished on the basis of combined presents and activity on elective</p> <p>No extra assessment methods are anticipated.</p> <p>In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopte</p> |

### Literature

#### Obligatory

1. Johnston S and all. Canine and Feline Theriogenology, 2001
1. Dreier, K.-H., 2009: Klinik der Reproduktionsmedizin des Hundes. Schlutersche Verlagsgesellschaft

#### Optional

1. Noakes, D., 2009: Veterinary Reproduction and Obstetrics. W.B. Saunders Company
2. Long, S., 2006: Veterinary Genetics and Reproductive Physiology, Butterworth Heinemann
3. Current scientific and popular science literature

### Calculation of ECTS points

| Activity form               | Activity hours*    |
|-----------------------------|--------------------|
| Laboratory exercises        | 20                 |
| Preparation for remote work | 10                 |
| <b>Student workload</b>     | <b>Hours</b><br>30 |

| Number of ECTS points | ECTS<br>1 |
|-----------------------|-----------|
|-----------------------|-----------|

\* hour means 45 minutes

## Effects

| Code  | Content                                                                                                                                                                                                                                                              |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KS.1  | Absolwent jest gotów do wykazywania odpowiedzialności za podejmowane decyzje wobec ludzi, zwierząt i środowiska przyrodniczego                                                                                                                                       |
| KS.2  | Absolwent jest gotów do prezentowania postawy zgodnej z zasadami etycznymi i podejmowania działań w oparciu o kodeks etyki w praktyce zawodowej oraz do wykazywania tolerancji dla postaw i zachowań wynikających z odmiennych uwarunkowań społecznych i kulturowych |
| KS.3  | Absolwent jest gotów do udziału w rozwiązywaniu konfliktów, a także wykazywania się elastycznością w reakcjach na zmiany społeczne                                                                                                                                   |
| KS.5  | Absolwent jest gotów do formułowania wniosków z własnych pomiarów lub obserwacji                                                                                                                                                                                     |
| KS.8  | Absolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności                                                                                                                                                                                               |
| KS.10 | Absolwent jest gotów do działania w warunkach niepewności i stresu                                                                                                                                                                                                   |
| B.U1  | Absolwent potrafi bezpiecznie i humanitarnie postępować ze zwierzętami oraz instruować innych w tym zakresie                                                                                                                                                         |
| 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.U5  | Absolwent potrafi oceniać stan odżywienia zwierzęcia oraz udzielać porad w tym zakresie                                                                                                                                                                              |
| B.U6  | Absolwent potrafi pobierać i zabezpieczać próbki do badań oraz wykonywać standardowe testy laboratoryjne, a także prawidłowo analizować i interpretować wyniki badań laboratoryjnych                                                                                 |
| B.U13 | Absolwent potrafi dobierać i stosować właściwe leczenie                                                                                                                                                                                                              |
| 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                                                                                                                              |
| B.W5  | Absolwent zna i rozumie zasady przeprowadzania badania klinicznego i monitorowania stanu zdrowia zwierząt                                                                                                                                                            |
| B.W6  | Absolwent zna i rozumie sposób postępowania z danymi klinicznymi i wynikami badań laboratoryjnych i dodatkowych                                                                                                                                                      |
| B.W12 | Absolwent zna i rozumie założenia doboru zwierząt do kojarzeń, metody zapładniania i biotechnologii rozrodu oraz selekcji hodowlanej                                                                                                                                 |