



## Reproduction and obstetrics of dogs and cats II

ECTS: 3.00

### SUBJECT MATTER CONTENT

#### TEACHING OBJECTIVE

The aim of education is to acquire theoretical knowledge and practical skills in the field by students physiological functioning of the reproductive system and diagnosis and treatment of canine reproductive disorders i cats.

#### DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

##### Symbols for outcomes related to the discipline:

R/WA\_P7S+++

##### Symbols for outcomes related to the field of study:

A.W10. +, B.W12. +, K.8.+, B.W4. +, K.10.+, B.W1. +, B.W5. +, A.W17. +, B.U6. +, A.U13. +, B.U3. +, B.W6. +, K.5+, B.U7. +, B.U11. +, B.U13. +, A.U12. +, B.U10. +, B.U15. +

#### LEARNING OUTCOMES:

##### Knowledge:

W1 – After completing the course, the student knows the structure and functions of the reproductive system of bitches and kittens, taking into account their specificity. He knows the diseases of the female reproductive system, clinical and laboratory methods of diagnosing disorders, principles and methods of providing childbirth assistance, diagnosing and treating diseases of newborns. The student knows the basics and methods of using contraception, methods of diagnosing pregnancy and determining the phases of the sexual cycle. He knows the techniques of performing surgical procedures on the reproductive organs of bitch and female cats.

##### Skills:

U1 – After completing the course, the student is able to diagnose diseases of the female reproductive system by clinical, ultrasound and laboratory (cytological, hormonal) methods. He knows how to provide childbirth aid using surgical and pharmacological methods, heal diseases of the reproductive organ using surgical and hormonal methods, diagnose and treat diseases of newborns. The student knows how to use surgical, hormonal and pharmacological contraception. He actively assists and performs simple surgical procedures on the female and female reproductive organs.

##### Social competence:

K1 – After completing the course, the student is able to analyze, diagnose and treat reproductive disorders of small animals, follow the principles of veterinary deontology, observe the principles of animal welfare, cooperate with animal owners and the State Veterinary Inspection, provide advice and discuss social aspects of the problems of reproduction of dogs and cats, shows the desire to for self-study.

**Legal acts specifying learning outcomes:**  
**682/2020**  
**Disciplines:** Veterinary science  
**Status of the course:**Obligatoryjny  
**Group of courses:**B - przedmioty kierunkowe  
**Code:** ISCED 0841  
**Field of study:**Veterinary Medicine  
**Scope of education:**  
**Profile of education:** General academic  
**Form of studies:** full-time  
**Level of studies:** uniform master's studies  
**Year/semester:** 6/11

**Types of classes:** Lecture, Practical classes, Auditorium classes  
**Number of hours in semester:**Lecture: 15.00, Practical classes: 7.00, Auditorium classes: 8.00  
**Language of instruction:**Polish  
**Introductory subject:** anatomy, histology, physiology, breeding, pathophysiology, clinical diagnostics  
**Prerequisites:** knowledge of the structure and functions of the female reproductive system, the basics of pathophysiology and pathological anatomy, the ability to clinically examine bitches, collect samples for laboratory tests

**Name of the organisational unit conducting the course:**Katedra Rozrodu Zwierząt z Kliniką  
**Person responsible for the realization of the course:**dr hab. wet. Piotr Socha, prof. UWM  
**e-mail:** piotr.socha@uwm.edu.pl

**Additional remarks:**

## TEACHING FORMS AND METHODS:

Lecture(W1;U1;):Multimedia presentation  
Practical classes(U1;):Clinical lectures, laboratory lectures  
Auditorium classes(U1;K1;):Multimedia presentation

## FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Written exam) - 65% knowledge of the lecture and class topics is required (W1, U1, K1). In order to pass the final exam, it is necessary to obtain not less than 65% of possible points. The grading of grades is based on the score thresholds described in the faculty procedure "Principles of grading students". The student may take the exam improvement twice. In the case of top-down suspension of classroom activities and the need for distance learning, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of passing the exam and exercises, may change in a manner appropriate to the situation (W1) -

Practical classes (Colloquium practical) - Participation in discussion - Discussing clinical cases (K1); Practical test - Independent performance of a gynecological and obstetric examination, the use of additional diagnostics, incl. Ultrasound. Assistance during a surgical procedure on the reproductive organ of a female or female cat. In the event of a top-down suspension of full-time classes and the need for distance learning, The methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of passing the exam and exercises, may change in a manner appropriate to the situation (U1) -

Auditorium classes (Colloquium test) - 65% knowledge of the subject is required (W1, U1, K1). There are 3 tests in the semester in the form of written. To pass the test, you must obtain at least 65% of the possible points. The grading of grades is based on the score thresholds described in the faculty procedure "Principles of grading students". The student may attempt to correct the test twice. The condition for receiving the final exam in the exercises is to obtain positive grades from all tests taking place in the course of the classes. In case of passing all the tests, the final grade for the exercises is issued on the basis of the arithmetic mean value of all the grades obtained in the tests. Failure any of the tests is tantamount to obtaining an insufficient final grade in the exercises. "In the event of a top-down suspension of classroom classes and the necessity of distance learning, the methods of verifying the achievement of learning outcomes, declared in the syllabus, i.e. the forms of passing the exam and exercises, may change in a manner appropriate to the situation. (W1) -

## BASIC LITERATURE:

1. Dubiel, A, *Rozród psów*, Wyd. Wyd.AR we Wrocławiu, R. 2004
2. England, G.C.W, *Rozród i położnictwo psów wg Allena*, Wyd. SIMA WLW Warszawa, R. 1998
3. Max, A, *Koty – Położnictwo i rozród*, Wyd. Galaktyka Łódź, R. 2010
4. Wierzbowski, S, *Andrologia*, Wyd. Wyd. Platan w Krakowie, R. 1996
5. Zduńczyk, S., Janowski,T, *Kliniczne aspekty zaburzeń rozrodu psów i kotów*, Wyd. Wyd. UW-M w Olsztynie, R. 2020
6. England G., von Heimendahl A., *Położnictwo i neonatologia psa i kota*, Wyd. Elsevier, R. 2020

## SUPPLEMENTARY LITERATURE:

1. Bielański, A., Tischner, M, *Biotechnologia rozrodu zwierząt domowych*, Wyd. Wyd. Drukrol w Krakowie, R. 1997
2. Krzymowski T. (red.), *Biologia rozrodu zwierząt. Fizjologiczna regulacja procesów rozrodczych samiec.*, Tom I, Wyd. Wyd. UW-M w Olsztynie, R. 2007
3. Niemand, H.G., Suter, P.F.(red.), *Praktyka kliniczna: psy*, Wyd. Galaktyka Łódź, R. 2001