



## Reproduction and obstetrics of horses II

ECTS: 2.00

### SUBJECT MATTER CONTENT

#### LECTURE

Lectures in obstetrics concern the physiology and pathology of giving birth, methods of resolving dystocias as well as etiopathogenesis and therapy of fetal membrane retention. This section is complemented by a lecture on diseases of the mammary gland in mares.

#### PRACTICAL CLASSES

Students will learn the plan of obstetric examination and malpostures of foals (they work on phantom and dead fetuses). Assisted delivery is practically discussed in special phantoms using stillborn foals. This gives students an idea of real assistance, with the possibility of correcting defects in the foal malpostures. On dead foals, students also perform a fetotomy, and on isolated uteri taken from the slaughterhouse, students simulate cesarean section and they suture of the uterus after such a cut.

#### AUDITORIUM CLASSES

There will be theoretical classes on the caesarean section procedure and neonatology.

#### TEACHING OBJECTIVE

The aim of this subject is to teach students about the physiology and pathology of mare.

#### 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:**

K.1.+ , B.U8. + , B.U12. + , A.W10. + , A.U14. + , A.W12. + , B.U14. + , B.W12. + , A.W13. + , C.U2. + , A.W5. + , A.W15. + , K.8.+ , A.U11. + , B.W9. + , K.10.+ , B.W13. + , B.U16. + , A.W9. + , B.W2. + , B.W3. + , B.U4. + , B.W1. + , K.2.+ , A.W1. + , B.W5. + , B.U19. + , A.W3. + , A.W17. + , B.U21. + , B.U1. + , B.U6. + , B.U5. + , A.U13. + , B.U3. + , K.4.+ , B.W6. + , B.W11. + , K.5+ , A.U9. + , C.W3. + , B.U20. + , A.U19. + , B.U7. + , A.W2. + , B.U2. + , K.7.+ , A.W14. + , A.U18. + , B.U10. + , B.U11. + , B.U13. + , K.9.+ , A.W11. + , A.U12. + , B.W4. + , B.U15. + , A.U4. + , B.W8. +

#### LEARNING OUTCOMES:

##### Knowledge:

W1 – The student is able to define and discuss the structure and function of the reproductive tract, taking into account the specificity of horse reproduction. He/she knows the diseases of the female reproductive system, clinical and laboratory methods of

**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:** 5/9

**Types of classes:** Lecture, Practical classes, Auditorium classes  
**Number of hours in semester:**Lecture: 5.00, Practical classes: 7.00, Auditorium classes: 3.00  
**Language of instruction:**Polish  
**Introductory subject:** anatomy, physiology, pathophysiology, breeding horses  
**Prerequisites:** knowledge of the anatomy and physiology of the mare's reproductive system, as well as the general pathophysiology and breeding of horses

**Name of the organisational unit conducting the course:**Katedra Rozrodu Zwierząt z Kliniką  
**Person responsible for the realization of the course:**dr hab. wet. Anna Rapacz-Leonard, prof. UWM  
**e-mail:** anna.rapacz@uwm.edu.pl

**Additional remarks:**

diagnosing their disorders, and combating infertility. He knows the theoretical basis of the methods of biotechnology of reproduction.

**Skills:**

U1 – The student acquires the skills of diagnosing and treating disorders of the female reproductive system, resolving dystocia, and is able to take care of a newborn foal.

**Social competence:**

K1 – The student follows the principles of veterinary deontology, adheres to the principles of animal welfare. Demonstrates the ability to cooperate with animal owners, has the ability to advise and discuss current veterinary aspects.

**TEACHING FORMS AND METHODS:**

Lecture(W1;K1;):Presentations

Auditorium classes(W1;K1;):Presentations

Practical classes(U1;K1;):Practical classes on isolated organs and teaching animals, field exercises in a horse farm

**FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:**

Lecture (Colloquium test) - The content of the lectures is included in the colloquiums of the auditorium exercises and in the exam after the end of the second part of the subject (Reproduction and obstetrics of horses II). -

Practical classes (Colloquium test) - The grade from the colloquium is issued on the basis of the arithmetic mean value of the grades obtained for individual questions. The student may take the test twice. The condition for obtaining a final credit for the exercises is obtaining a positive grade. In the event of a top-down suspension of classroom classes and the need for remote teaching, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of crediting exercises, may be changed in a manner adequate to the situation. -

Auditorium classes (Colloquium test) - The grade from the colloquium is issued on the basis of the arithmetic mean value of the grades obtained for individual questions. The student may take the test twice. The condition for obtaining a final credit for the exercises is obtaining a positive grade. In the event of a top-down suspension of classroom classes and the need for remote teaching, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of crediting exercises, may be changed in a manner adequate to the situation. -

**BASIC LITERATURE:**

1. Kosiniak-Kamysz K., Wierzbowski S., *Rozród koni*, Wyd. Drukrol w Krakowie, R. 2004
2. Dietz O., Huskamp B., *Praktyka kliniczna: konie*, Wyd. Galaktyka, R. 2008
3. Jackson Peter G.G., *Położnictwo Weterynaryjne*, Wyd. Elsevier, R. 2004
4. Bielański W., *Rozród zwierząt*, Wyd. PWRiL, R. 1979

**SUPPLEMENTARY LITERATURE:**

1. Blanchard, Terry i wsp., *Manual of Equine Reproduction*, Wyd. Mosby, R. 2003

