



## Problems in big herds of cattle

ECTS: 2.00

### SUBJECT MATTER CONTENT

#### LECTURE

1. Diagnosis and prevention of diseases of the neonatal period of calves 2. Laboratory diagnosis of metabolic diseases of dairy cows 3. Ultrasound diagnosis of liver diseases, liver biopsy 4. Prevention of infectious diseases in cattle 5. Nutrition of cattle in particular technological groups 6. Reproduction management of a dairy herd

#### CLASSES

1. Monitoring of the breeding and health condition of calves 2. Diagnosis of diseases conditioned by high productivity 3. Interpretation of the results of laboratory tests used in the herd health monitoring 4. Liver biopsy, ultrasound examination of the liver 5. The use of the technique of collecting material by tracheotomy in the diagnosis of calves respiratory diseases 6. Nutritional monitoring on a dairy cattle farm 7. Reports on the evaluation of utility value and their use in dairy herd management

#### TEACHING OBJECTIVE

The aim of the training is to familiarize students and broaden the knowledge of students with the problems that arise in breeding large herds of dairy cattle, including the diagnosis and prevention of calf diseases, diagnosis and prevention of metabolic diseases of dairy cows, prevention of infectious diseases, reproductive management and feeding in dairy herds.

#### 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.W17. +, K.1.+, B.U20. +, B.W9. +, A.U19. +, A.U13. +, B.U2. +, B.W6. +, A.U12. +, B.W4. +, B.W14.+, B.U21. +, B.W5. +, A.W15. +

#### LEARNING OUTCOMES:

##### Knowledge:

W1 – Implementing the diagnostic and therapeutic procedures the use of antibiotic therapy, collection and analysis of the results of clinical examination and laboratory tests and additional tests/examinations monitoring of animals in large-scale farms, rules of arranging and analyzing food doses

##### Skills:

U1 – Communicates effectively with breeders and other doctors Conducts a medical and veterinary interview Develops and applies preventive programs Determines the nutritional

**Legal acts specifying learning outcomes:**

682/2020

**Disciplines:** Veterinary science

**Status of the course:** Fakultatywny

**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, Classes

**Number of hours in**

**semester:** Lecture: 10.00, Classes: 20.00

**Language of instruction:** Polish

**Introductory subject:** Internal diseases of farm animals, Infectious diseases of farm animals, Reproduction and obstetrics of farm animals, Clinical and laboratory diagnostic, Animal nutrition and feed science,

**Prerequisites:** Knowledge of the pathogenesis, diagnosis and treatment of ruminant diseases, knowledge of the basics of ruminant nutrition

**Name of the organisational unit**

**conducting the course:** Katedra

Chorób Wewnętrznych z Kliniką

**Person responsible for the**

**realization of the course:** dr hab. wet.

Katarzyna Żarczyńska, prof. UWM

**e-mail:**

katarzyna.zarczyńska@uwm.edu.pl

**Additional remarks:**

status of animals and provides advice in this regard. Collects information related to animal health, animal welfare and productivity

**Social competence:**

K1 – Demonstrates responsibility for decisions made and adheres to ethical principles

**TEACHING FORMS AND METHODS:**

Lecture(W1;U1;K1;):Multimedia presentation, discussion

Classes(W1;U1;K1;):Auditorium exercises: multimedia presentation, discussion, Practical exercises: trips to cattle farms, practical exercises in the clinic

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

Lecture (Oral test) - To pass the test, you should get not less than 65% of the possible points. Graduation is based on the score thresholds described in the faculty procedure "Principles of grading students". The student may attempt to correct the test twice. -

Classes (Colloquium practical) - There is one practical test per semester. The grade for the test is issued on the basis of the arithmetic mean value of the grades obtained for individual questions / tasks. The condition for receiving the final pass in the exercises is to obtain a positive mark in the practical test. -

**BASIC LITERATURE:**

1. Divers Thomas J., Peek Simon F., *Choroby bydła mlecznego Tom 1 i 2*, Wyd. URBAN PARTNER, R. 2011

2. Pod redakcją Mariana Kuczaja i Jerzego Presia, *Wybrane elementy żywienia a problemy zdrowotne krów mlecznych*, Wyd. MEDPHARM, R. 2014

**SUPPLEMENTARY LITERATURE:**

1. Jan Hulsen, *Sygnaty krów praktyczny poradnik dla hodowców bydła*, Wyd. Polskie Wydawnictwo Rolnicze, R. 2009

