



## Problems in big herds of pig

ECTS: 2.00

### SUBJECT MATTER CONTENT

#### LECTURE

Diagnosis of large-fledged diseases conditioned by intensive fattening and mass keeping of animals. Collecting and analyzing the results of laboratory tests used in the herd health monitoring. Managing the reproduction of a pig herd. The use of various techniques of material collection in the diagnosis of infectious diseases in pigs. Prevention of infectious diseases in pigs in large herds.,CLASSES AUDYTORYJNE:Pig breeding and health monitoring. Diagnosis of diseases conditioned by high productivity. Collection of infectious material for diagnostic tests of pig respiratory diseases. Interpretation of the results of laboratory tests used in monitoring the health of herds. Diagnosis and prevention of piglet neonatal diseases. Development of specific immunoprophylaxis programs and preventive procedures in large herds of pig production.,CLASSES PRAKTYCZNE:Visit to a pig farm. Conducting herd monitoring, developing preventive programs. A visit to the laboratory, analysis of diagnostic procedures, assessment of the serological profile of an exemplary pig herd.

#### TEACHING OBJECTIVE

Acquiring or expanding knowledge of the problems occurring in large-herd pig farming, the causes and mechanisms of the emergence and spread of infectious diseases, and practical skills in the diagnosis, prevention and metaphylaxis of pigs.

#### 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.U20. + , B.U6. + , B.U2. + , B.W5. + , B.W2. + , K.11.+ , B.U3. + , B.W3. + , A.W13. + , B.W1. + , B.U13. + , B.W6. + , B.W4. + , K.8.+ , B.U19. + , B.U21. +

#### LEARNING OUTCOMES:

##### Knowledge:

W1 – Student describes and interprets the biology of infectious agents that cause swine diseases transmitted between animals, taking into account the disease transmission mechanisms and the body's defense mechanisms. He knows how the disorders of the pigs organism proceed in the course of the disease in a single pig as well as in a herd. He knows the causes, symptoms and pathological changes characteristic of diseases occurring in large herds of pig production and the principles of treatment and prevention in particular disease entities. Understands the principles of diagnostic procedures, including differential diagnosis, and therapeutic procedures, as well as the principles of conducting a clinical

#### 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, Practical classes

**Number of hours in**

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

12.00, Practical classes: 8.00

**Language of instruction:**Polish

**Introductory subject:** Biology, Physiology, Biochemistry, Immunology, Microbiology, Pathomorphology, Veterinary Epidemiology, Infectious diseases of farm animals II

**Prerequisites:** Knowledge of basic concepts and issues from the above-mentioned subjects

**Name of the organisational unit conducting the course:**Katedra Epizootologii

**Person responsible for the realization of the course:**dr wet. Zbigniew Procajto

**e-mail:** procajto@uwm.edu.pl

**Additional remarks:**

examination, monitoring the health of pigs, and knows how to handle clinical data, results of serological profiles and laboratory tests.

#### **Skills:**

U1 – Student able to conduct a medical and veterinary interview in order to obtain detailed information about a single animal and individual technological groups of pigs. He is able to carry out a full clinical examination of an animal, collect and secure samples for testing, and can correctly analyze and interpret the results of laboratory tests. He is able to select and apply appropriate methods of treatment, taking into account individual technological groups. It will independently conduct an epizootic investigation to determine the period during which an infectious animal disease may have developed on the farm prior to its occurrence, and identify the origin of the infectious disease in the animals. Uses the collected information related to animal health and welfare, and in selected cases also to herd productivity, to develop and implement preventive programs appropriate for pigs.

#### **Social competence:**

K1 – Is ready to: demonstrate responsibility for decisions made towards people, animals and the natural environment, expand knowledge and improve skills, cooperate with representatives of other professions in the field of public health protection.

#### **TEACHING FORMS AND METHODS:**

Lecture(W1;U1;K1;):With a multimedia presentation.

Classes(W1;U1;K1;):With multimedia presentation, animal disease prevention programs, herd epidemic analysis, analysis of clinical cases, development of herd-specific immunoprophylaxis programs.

Practical classes(W1;U1;K1;):Development of herd management programs and specific immunoprophylaxis programs for a selected pig herd. Herd serological profile interpretation.

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

Lecture (Oral test) - In order to obtain a final pass, it is necessary to obtain not less than 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 improve the credit score twice. "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." -

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Practical classes (Evaluation of the work and cooperation in the group) - Independent development of herd management programs and specific immunoprophylaxis programs for the selected pig herd. Herd serological profile interpretation. -

#### **BASIC LITERATURE:**

1. Cegiełka B., Kołodziejczyk P., Salachna M., Wojciechowski J., *Zdrowie świń w praktyce Choroby, rozpoznanie, zapobieganie, leczenie*, Wyd. PWR, R. 2014, s.
2. Pomorska-Mól M., *Profilaktyka swoista i terapia chorób zakaźnych świń*, Wyd. Elamed, R. 2019, s.

#### **SUPPLEMENTARY LITERATURE:**

1. Hulsen J., Scheepens K., *Sygnaty świń Obserwuj, analizuj i działaj*, Wyd. Apra, R. 2014, s.