



Breeding invertebrate diseases

ECTS: 1.00

SUBJECT MATTER CONTENT

LECTURE

The lecture program covers the legal basis for the protection of the health of invertebrate animals in Poland and around the world. The most important diseases occurring in invertebrate farming, including OIE-listed diseases. Prevention and control of diseases in breeding conditions.,CLASSES AUDYTORYJNE: Biology and husbandry of snails and crayfish bred in Poland. Principles of performing a crayfish, shrimp and snail dissection and taking samples for diagnostic tests. Presentation and discussion of prophylaxis and therapy in selected health disorders of snails and crayfish.,CLASSES PRAKTYCZNE: A trip to a snail farm.

TEACHING OBJECTIVE

Description of the basic issues concerning the principles of breeding and the use of farmed invertebrates, i.e. molluscs and crustaceans. The student will acquire the ability to perform a basic assessment of the health condition of snails and crayfish bred in Poland.

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. +, A.W10. +, B.U5. +, K.5+, A.U14. +, B.W3. +, B.U3. +, B.U13. +, B.W6. +, K.9.+, B.W4. +, K.8.+, B.W5. +

LEARNING OUTCOMES:

Knowledge:

W1 – Knows and understands: the economic importance of invertebrate farming, methods of prevention and therapy of the most important diseases of molluscs and crustaceans. The student knows the principles of health assessment and diagnostic examination.

Skills:

U1 – The student can: conduct a diagnostic section and collect samples for laboratory tests from snails and crayfish. The student is able to analyze the results of diagnostic tests, diagnose the main diseases and implement appropriate treatment. The student can prepare clear case reports and keep documentation in accordance with applicable regulations, in a form that is understandable to both the owners of the animal and other veterinarians. The student has knowledge of husbandry and welfare of the discussed species of invertebrates, thanks to which he can educate and advise owners on the care of their animals.

Social competence:

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: 4/8

Types of classes: Lecture, Classes, Practical classes
Number of hours in semester: Lecture: 5.00, Classes: 6.00, Practical classes: 4.00
Language of instruction: Polish
Introductory subject: biology, physiology, microbiology
Prerequisites: knowledge of the basics of animal biology and physiology, the basics of microbiology

Name of the organisational unit conducting the course: Katedra Epizootiologii
Person responsible for the realization of the course: dr wet. Joanna Pajdak-Czaus
e-mail: joanna.pajdak@uwm.edu.pl

Additional remarks: Trip may be cancelled depending on the current epidemic situation.

K1 – Is ready to: recognize the importance of farmed invertebrates as a group of animals of significant biological and economic importance, evaluate the diagnosis and the effectiveness of the applied therapy. The student is ready to deepen the acquired knowledge through additional training and review of the available literature. He is ready to share the acquired knowledge with pet owners and colleagues.

TEACHING FORMS AND METHODS:

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

Classes(W1;U1;K1;):multimedia presentation, laboratory exercises, discussion

Practical classes(W1;U1;K1;):Participation in a trip.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Oral test) - In order to pass this course, it is necessary to obtain not less than 65% of the possible points. The grading 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 lock-down and the necessity of online 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. -

Classes (Oral test) - In order to pass this course, it is necessary to obtain not less than 65% of the possible points. The grading 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 lock-down and the necessity of online 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. -

Practical classes (Oral test) - Participation in a trip -

BASIC LITERATURE:

1. Szweda W., Siwicki A.K., Terech-Majewska E., *Choroby mięczaków i skorupiaków podlegające obowiązkowi zwalczania*, Wyd. Instytut Rybactwa Śródlądowego w Olsztynie, R. 2011
2. Mastyński J., Andrzejewski W., *Chów i hodowla raków*, Wyd. Uniwersytet Przyrodniczy w Poznaniu, R. 2008

SUPPLEMENTARY LITERATURE:

1. Austin B., Newaj-Fyzul A., *Diagnosis and control of diseases of fish and shellfish*, Wyd. Wiley-Blackwell, R. 2017
2. Lewbart G.A., *Invertebrate medicine*, Wyd. Wiley-Blackwell, R. 2011
3. Sowiński G., Wąsowski R., *Chów ślimaków. Pielęgnacja, żywienie, zarys chorób z profilaktyką oraz kulinaria*, Wyd. Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego w Olsztynie, R. 2016