Course code: 06-EMS-BIOPR-SP1 / 06-EMS-BIOPR-SP2

1. INFORMATION ABOUT THE COURSE

A. Basic information

Name of course	Biosecurity and prevention in animal production
Field of studies	
Level of studies	
Profile of studies	General academic
Form of studies	
Specialty	
Unit responsible for the field of studies	
Name and academic degree of teacher(s)	dr hab. inż. Mirosław Banaszak, prof. PBŚ
Introductory courses	
Introductory requirements	

B. Semester/week schedule of classes

Semester	Lectures (W)	Auditorium classes (Ć)	Laboratory classes (L)	Project classes (P)	Seminar (S)	Field classes (T)	Number of ECTS points
Winter/summer		25					5

2. LEARNING OUTCOME

No.	Learning outcomes description	The reference to the learning outcomes of specific field of study	The reference to the learning outcomes for the area
KNOWLEDGE			
W1	Student has knowledge in the field of herd health protection, animal safety, and the organization of a biosecurity plan.		
W2	Student has knowledge of the legal framework and shared responsibility for ensuring the safety of feed and products of animal origin, with consideration of the ‘farm to fork’ principle and the One Health approach		
SKILLS			
U1	Student can perform an analysis of risks and opportunities related to herd health safety, incorporating current knowledge and biosecurity standards as a tool supporting veterinary prevention		
U2	Student can plan and develop biosecurity principles, including the individual components of a biosecurity plan		
SOCIAL COMPETENCES			
K1	Student shows an ethical attitude towards animal and understands the importance of well-being in animal production. Student is aware of risks and factors that constitute a threat to the efficiency of animal production. Student should be able to take responsibility for the development of an appropriate biosecurity strategy for a specific animal herd, while upholding ethical standards and social responsibility in the implementation of actions.		

3. TEACHING METHODS

Multimedia presentations, display, discussions, lecture, case studies

4. METHODS OF EXAMINATION

Paper/report and project - writing and create a biosecurity plan

5. SCOPE

Classes	1. The importance of biosecurity 2. Biosecurity standards 3. Farm work balance in relation to biosecurity 4. Biosecurity as a quality system in animal production 5. Principles of hygiene and elements of zoohygiene 6. Risk assessment and farm infrastructure 7. Cleaning, disinfection, and rodent control 8. Personnel management in animal production and biosecurity 9. Protection of herd health and production efficiency 10. Designing biosecurity systems – various case studies

6. METHODS OF VERIFICATION OF LEARNING OUTCOMES

LEARNING OUTCOME	Form of assessment					
	Oral examination	Written exam	Colloquium	Project	Presentation	Paper/report
W1						X
W2						X
U1				X		X
U2				X		X
K1						X

7. LITERATURE

Basic literature	
Supplementary literature	Materials given by lecturer (directives, instructions, scientific publications).

8. TOTAL STUDENT WORKLOAD REQUIRED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDITS

Student's activity		Student workload– number of hours
Classes conducted under a direct supervision of an academic teacher or other persons responsible for classes	Participation in classes indicated in point 1B	25
	Supervision hours	10
Student's own work	Preparation for classes	40
	Reading assignments	30
	Other (preparation for exams, tests, carrying out a project etc)	20
Total student workload		125
	Number of ECTS points	5