



SZKOŁA GŁÓWNA  
GOSPODARSTWA  
WIEJSKIEGO

## Response to public health related disasters

### Educational subject description sheet

#### Basic information

<b>Field of study</b> Veterinary Medicine	<b>Didactic cycle</b> 2024/25
<b>Speciality</b> -	<b>Subject code</b> WETFVMS_D.520K.01710.24
<b>Organizational unit</b> Faculty of Veterinary Medicine	<b>Lecture languages</b> english
<b>Study level</b> long-cycle	<b>Mandatory</b> Obligatory subjects
<b>Study form</b> full-time studies	<b>Block</b> Major subjects
<b>Education profile</b> General academic	<b>Disciplines</b> Veterinary medicine
<b>Coordinator</b>	Michał Tracz
<b>Teacher</b>	Michał Tracz
<b>Period</b> Semester 6	<b>Examination</b> Pass with grade
	<b>Activities and hours</b> Lecture: 15 Laboratory exercises: 15
	<b>Number of ECTS points</b> 2

## Goals

Code	Goal
C1	The veterinary profession is linked to public health protection. As part of public safety, public health is exposed to many risks. The consequence of these risks can be loss of health and life among humans and animals, as well as loss of property and environmental damage. Multidisciplinary teams are required to prepare, prevent, respond and recover. During the course, students will learn about different types of threats to public health of a natural and intentional nature, methods of responding in the presence of hazards, preparing for the occurrence of risks, preventing threats, and recovering after the occurrence of threats. In addition, the course participants will become familiar with the basic administrative structures involved in implementing public safety tasks.

## Entry requirements

Parasitology and invasiology 2, Veterinary Virology, Veterinary pharmacology 1

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	the principles of protecting humans and animals from intentional and natural threats to public health.	B.W8	Report, Test (written or computer based)
W2	the effects of ABC-type contamination of the feed, animal and food, and environment.	B.W8	Report, Test (written or computer based)
W3	the role and rules of conduct of veterinary administration in crises.	B.W16, B.W8	Report, Test (written or computer based)
<b>Skills - Student can:</b>			
U1	plan and prepare to respond, and knows how to respond to a public health emergency.	B.U19, B.U8	Report, Test (written or computer based)
U2	distinguish between types of threats to public health	B.U19, B.U8	Report, Test (written or computer based)
U3	conduct an epidemiological investigation and assess exposure to ionising radiation.	B.U19, B.U8	Report, Test (written or computer based)
<b>Social competences - Student is ready to:</b>			
K1	cooperate with other public health professionals	KS.1	Report, Test (written or computer based)
K2	work in a team	KS.11	Report, Test (written or computer based)
K3	assess his knowledge of public health threats.	KS.8	Report, Test (written or computer based)

## Study content

No.	Course content	Subject's learning outcomes	Activities
-----	----------------	-----------------------------	------------

No.	Course content	Subject's learning outcomes	Activities
1.	Biological, chemical and radiological threats and hazard-preparedness, response, notification and communication.	W1, W2, W3, U1, U2, U3, K1, K2, K3	Lecture
2.	Epidemiological investigation in food-borne outbreaks, biological weapons usage and radiological protection procedures.	W1, W2, W3, U1, U2, U3, K1, K2, K3	Laboratory exercises

### Course advanced

Activities	Methods of conducting classes
Lecture	Lecture, Problem lecture, E-learning - lecture part
Laboratory exercises	Case study, Presentation, Analysis of source materials, E-learning - exercises part, Individual work, Display

Activities	Examination method	Percentage
Lecture	Test (written or computer based)	60%
Laboratory exercises	Test (written or computer based)	10%
Laboratory exercises	Report	30%

Activities	Credit conditions
Lecture	<p>To attend the final evaluation, a student must:</p> <ol style="list-style-type: none"> <li>1. obtain 60% of the points possible in the exercises</li> <li>2. get 80% of attendance in the exercise</li> </ol> <p>The Test form with possible use of Moodle platform and/or Teams</p> <ul style="list-style-type: none"> <li>• A set of questions of diverse nature and score value will be used for the examination.</li> <li>• The examination includes the content presented in lectures.</li> <li>• The second term of the exam is in the same form.</li> </ul> <p>Final and partial scale            % evaluation grade            92-100 very good 5.0            84-91 good + 4.5            76-83 good 4.0            68-75 sufficient+ 3.5            60-67 sufficient 3.0            0-59 insufficient 2.0</p>
Laboratory exercises	<p>The Test form with possible use of Moodle platform and/or Teams</p> <p>A set of questions of diverse nature and score value will be used for the test.</p> <p>The second term of the test is in the same form.</p> <p>Teachers validate reports.</p>

## Literature

### Obligatory

1. Management of Terrorist Events Involving Radioactive Material:
2. Handbook of Toxicology of Chemical Warfare Agents
3. Incident Safety and Health Management Handbook

### Optional

1. Food Safety Management - A Practical Guide for the Food Industry
2. CDC: Radiation emergencies. Casualty Management After Detonation of a Nuclear Weapon in an Urban Area,
3. How to Write an Emergency Plan
4. Relevant scientific publications, including those of the module coordinator
5. Biological Safety - Principles and Practices

## Calculation of ECTS points

Activity form	Activity hours*
Lecture	15
Laboratory exercises	15
Preparation for remote work	5
Preparation for the exam	15
Preparation for the test	5
Preparing a report	5
<b>Student workload</b>	<b>Hours</b> 60
<b>Number of ECTS points</b>	<b>ECTS</b> 2

\* hour means 45 minutes

## Effects

Code	Content
KS.1	label.effect.prefix.competenceAbsolwent jest gotów do wykazywania odpowiedzialności za podejmowane decyzje wobec ludzi, zwierząt i środowiska przyrodniczego
KS.8	label.effect.prefix.competenceAbsolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności
KS.11	label.effect.prefix.competenceAbsolwent jest gotów do współpracy z przedstawicielami innych zawodów w zakresie ochrony zdrowia publicznego
B.U8	label.effect.prefix.skillAbsolwent potrafi wdrażać właściwe procedury w przypadku stwierdzenia choroby podlegającej obowiązkowi zwalczania lub rejestracji
B.U19	label.effect.prefix.skillAbsolwent potrafi przeprowadzić dochodzenie epizootyczne w celu ustalenia okresu, w którym choroba zakaźna zwierząt mogła rozwijać się w gospodarstwie przed podejrzeniem lub stwierdzeniem jej wystąpienia, miejsca pochodzenia źródła choroby zakaźnej zwierząt wraz z ustaleniem innych gospodarstw oraz dróg przemieszczania się ludzi, zwierząt i przedmiotów, które mogły być przyczyną szerzenia się choroby zakaźnej do lub z gospodarstwa
B.W8	label.effect.prefix.knowledgeAbsolwent zna i rozumie sposób postępowania w przypadku podejrzenia lub stwierdzenia chorób podlegających obowiązkowi zwalczania lub rejestracji
B.W16	label.effect.prefix.knowledgeAbsolwent zna i rozumie zasady funkcjonowania Inspekcji Weterynaryjnej, także w aspekcie zdrowia publicznego