Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
RUDN University

Agrarian and Technological Institute

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Veterinary Sanitation

course title

Recommended by the Didactic Council for the Education Field of:

36.05.01 Veterinary

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Veterinary

higher education programme profile/specialisation title

2025

1. GOALS AND OBJECTIVES OF THE COURSE

The aim of mastering the course "**Veterinary Sanitation**" is to acquire theoretical knowledge and practical skills that ensure the identification of the causes and conditions of environmental problems of veterinary surveillance facilities in relation to mass diseases of various nature, justification, organization and implementation of preventive and health measures aimed at their prevention and elimination.

2. REQUIREMENTS FOR LEARNING OUTCOMES

The implementation of the course "**Veterinary Sanitation**" is aimed at creating the following competencies (parts of competencies) for students:

Table 2.1. List of competencies formed by students during the development of the course (results of the development of the course)

Competence code	Competence descriptor	Indicators of competence accomplishment (within the course)
PC-11	Ability to develop an annual plan of anti-epizootic measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures, including vaccination (immunization) and therapeutic-preventive treatment plans.	PC-11.2 Able to develop an annual plan of anti-epizootic and antiparasitic measures, a plan for the prevention of non-contagious animal diseases, and a veterinary and sanitary measures plan.
		PC-11.3 Able to prepare individual and group preventive vaccination (immunization) plans considering the epizootic situation in the animals' area, the anti-epizootic plan, as well as national and regional veterinary and sanitary regulations and requirements.

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course " **Veterinary Sanitation** " refers to the mandatory part of block B1 of the Educational Program of Higher Education.

As part of the Educational Program of Higher Education, students also master other courses and /or practices that contribute to achieving the planned results of mastering the course " **Veterinary Sanitation** ".

Table 3.1. List of Higher Education Program components courses that contribute to expected learning outcomes

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
PC-11	Ability to develop an annual plan of anti-	Base component / Базовая	Variable component / Вариативная

epizootic measures, a plan for the prevention of non-contagious animal diseases, a plan of veterinary and sanitary measures, including vaccination (immunization) and therapeutic-preventive treatment plans.	компонента

Epidemiology and Infectious Diseases / Эпизоотология и инфекционные болезни

Variable component / Вариативная компонента | компонента
Clinical Industrial Practice / Клиническая производственная практика
Clinical Internship
Industrial Research Practice / Производственно-исследовательская практика
Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена
Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена
Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы |

4. COURSE WORKLOAD AND TRAINING ACTIVITIES

Course workload of the course "**Veterinary Sanitation**" is 3 credits.

*Table 4.1. Types of academic activities during the period of the HE program mastering for **full-time** study*

Types of academic activities	HOURS	Semesters			
		7	**-**	**-**	**-**
Contact academic hours	51	51	-	-	-
including					
Lectures	17	17	-	-	-
Lab work	34	34	-	-	-
Seminars (workshops/tutorials)	-	-	-	-	-
Self-study	37	37	-	-	-
Evaluation and assessment (exam/pass/fail grading)	20	20	-	-	-

Course workload	Academic hour	**108**	**108**	**-**	**-**	**-**
	Credit unit	**3**	**3**	**-**	**-**	**-**

5. COURSE CONTENTS

Table 5.1 Content of the course (module) by type of academic work

Modules	Content of the modules (topics)	Types of academic activities
Module 1. General and scientific foundations of veterinary sanitation.	Topic 1.1 Introduction to veterinary sanitation. Material and technical support.	Lectures, Lab work.
	Topic 1.2 Logistics.	Lectures, Lab work.
	Topic 1.3 General technology and mechanization of veterinary and sanitary measures.	Lectures, Lab work.
Module 2. Private and applied veterinary sanitation.	Topic 2.1 Disinfection. Disinsection. Deratization.	Lectures, Lab work.
	Topic 2.2 Veterinary sanitation of soil, air, water sources.	Lectures, Lab work.
	Topic 2.3 Decontamination and utilization of manure, animal waste.	Lectures, Lab work.

6. COURSE EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Material and technical support of the course

Classroom for Academic Activity Type	Equipping the classroom	Specialized educational/laboratory equipment, software and materials for the development of the course (if necessary)
Lecture	An auditorium for conducting lecture-type classes, equipped with a set of specialized furniture; a board (screen) and technical means of multimedia presentations.	- *Information stands.*
Laboratory	An auditorium for laboratory work, individual consultations, routine monitoring and interim certification, equipped with a set of specialized furniture and equipment.	- *Information stands.*

Self-studies	An auditorium for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to an electronic information and educational environment.	-

7. RESOURCES RECOMMENDED FOR COURSE STUDIES

Main readings:

1. Seregin Ivan Georgievich. Veterinary and sanitary examination of feed: a textbook / I.G. Seregin, M.F. Borovkov, E.A. Karelina. - Electronic text data. - St. Petersburg : Quadro, 2020. - 456 p. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=487543&idb=0
2. Veterinary sanitation : a textbook / A.A. Sidorchuk, V.L. Krupalnik, N.I. Popov [et al.]. - 2nd ed., erased. - St. Petersburg : Publishing House "Lan", 2018. - 368 p. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=466526&idb=0

Additional Readings:

1. Kuznetsov A.F., Rodin V. I., Svetlichkin V.V., Yaremchuk V.P. Workshop on veterinary sanitation, zoo hygiene and bioecology. - 1st ed. - St. Petersburg: Lan, 2013. - 512 p.
2. Volkov V.A. Theoretical foundations of environmental protection. - 1st ed. - St. Petersburg: Lan, 2015. - 256 p.
3. Tsyganova S.V. Disinfection, disinsection, deratization at poultry farms of industrial type. - Moscow: Aquarium-Print, 2012. - 274 p.

Internet sources

1. Electronic libraries (EL) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System (RUDN ELS) http://lib.rudn.ru/MegaPro/Web

- EL "University Library Online" http://www.biblioclub.ru
- EL "Yurayt" http://www.biblio-online.ru
- EL "Student Consultant" www.studentlibrary.ru
- EL "Lan" http://e.lanbook.com/
- EL "Trinity Bridge"

2.*Databases and search engines:*

- electronic foundation of legal and normative-technical documentation http://docs.cntd.ru/

- Yandex search engine https:// www .yandex.ru/
- Google search engine https://www.google.ru/
- Scopus abstract database http://www.elsevierscience.ru/products/scopus/

Educational and methodological materials for independent work of students during the development of the course/ module*:

1. A course of lectures on the course " **Veterinary Sanitation** ".
2. Laboratory workshop on the course " **Veterinary Sanitation** ".

∗ - The training toolkit and guidelines for the internship are placed on the internship page in the university telecommunication training and information system under the set procedure.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL AS COURSE RESULTS

The assessment toolkit and the grading system* to evaluate the level of competences (competences in part) formation as the course results are specified in the Appendix to the course syllabus.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

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