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

**Agrarian and Technological Institute**

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

**COURSE SYLLABUS**

**Veterinary Assistant Skills**

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course title

**Recommended by the Didactic Council for the Education Field of:**

**36.05.01 Veterinary**

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field of studies / speciality code and title

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

**Veterinary**

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higher education programme profile/specialisation title

## 1. GOALS AND OBJECTIVES OF THE COURSE

The aim of mastering the course "**Veterinary Assistant Skills**" is to develop in students the practical skills and professional competencies necessary to effectively assist the veterinarian in conducting diagnostics, treatment, and prevention of animal diseases, as well as to provide primary animal care and perform basic clinical procedures.

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

The implementation of the course "**Veterinary Assistant Skills**" 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 discipline)*

Competence code	Competence descriptor	Indicators of competence accomplishment (within the discipline)
OPC-1	Ability to determine the biological status and normative clinical indicators of animal organs and systems.	OPC-1.3 Is able to determine the key indicators of the functioning of individual body systems and draw conclusions about deviations from normative values.
		OPC-1.4 Possesses the skills of sampling biological fluids and tissues for research, performing laboratory tests, and interpreting research results.
PC-5	Ability and readiness to plan and conduct necessary types of instrumental diagnostics of the patient's condition.	PC-5.3 Is able to conduct instrumental diagnostics of animal diseases.
PC-9	Ability to use surgical methods during the prevention, diagnosis, and treatment of animal diseases.	PC-9.2 Plans preoperative preparation, surgical intervention procedures, early postoperative management, and prevention of complications.
		<b>PC-9.3</b> Is able to independently perform major preventive, diagnostic, and therapeutic surgical interventions (including punctures, soft tissue necrotomy, tail amputation, castration of males and females, dehorning, diagnostic laparotomy, etc.).

## 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course "**Veterinary Assistant Skills**" belongs to the part formed by the participants of educational relations of the block B1 of the Educational Program of Higher Education.

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

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

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
OPC-1	Ability to determine the biological status and normative clinical indicators of animal organs and systems.	Clinical Diagnostics / Клиническая диагностика  Laboratory Diagnostics with Elements of Artificial Intelligence Technology / Лабораторная диагностика с элементами технологии искусственного интеллекта	Base component / Базовая компонента  Educational Practice / Учебная практика  Variable component / Вариативная 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
PC-5	Ability and readiness to plan and conduct necessary types of instrumental diagnostics of the patient's condition.	Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology / Инструментальные методы диагностики с элементами технологии искусственного интеллекта	Dermatology / Дерматология  Cardiology / Кардиология  Endocrinology / Эндокринология  Oncology / Онкология  Neurology / Неврология  Nephrology / Нефрология  Reconstructive Surgery / Реконструктивно-восстановительная хирургия  Veterinary Ophthalmology / Ветеринарная офтальмология  Animal Dentistry / Стоматология животных  Variable component / Вариативная компонента  Clinical Industrial Practice / Клиническая

			<p>производственная практика</p> <p>Clinical Internship</p> <p>Industrial Research Practice / Производственно-исследовательская практика</p> <p>Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена</p> <p>Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена</p> <p>Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы</p>
PC-9	Ability to use surgical methods during the prevention, diagnosis, and treatment of animal diseases.	Operative Surgery with Topographic Anatomy / Оперативная хирургия с топографической анатомией	<p>Variable component / Вариативная компонента</p> <p>Clinical Industrial Practice / Клиническая производственная практика</p>

			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
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#### 4. COURSE WORKLOAD AND TRAINING ACTIVITIES

Course workload of the course "**Veterinary Assistant Skills**" is 2 credits.

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

Type of academic activities	Total academic hours	Semesters/training modules			
		9	-	-	-
Contact academic hours	34	34	-	-	-
including					
Lectures	-	-	-	-	-
Lab work	-	-	-	-	-
Seminars (workshops/tutorials)	34	34	-	-	-
Self-study	29	29	-	-	-
Evaluation and assessment (exam/pass/fail)	9	9	-	-	-

grading)						
<b>Course workload</b>	academic hours	<b>72</b>	<b>72</b>	-	-	-
	credits	<b>2</b>	<b>2</b>	-	-	-

## 5. COURSE CONTENTS

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

<b>Modules</b>	<b>Content of the modules (topics)</b>	<b>Types of academic activities</b>
Module 1. Introduction to the Veterinary Assistant Profession	Topic 1.1 The Role and Responsibilities of a Veterinary Assistant in Clinical Practice	Seminars
	Topic 1.2 Ethics and Deontology in Veterinary Medicine	Seminars
	Topic 1.3 Interaction with Animal Owners and the Veterinary Team	Seminars
Module 2. Basics of Animal Hygiene and Care	Topic 2.1 Animal Housing and Feeding in Inpatient Settings	Seminars
	Topic 2.2 Hygienic Procedures and Sanitary Treatment of Animals	Seminars
	Topic 2.3 Monitoring Animal Condition: Behavioral and Physiological Signs	Seminars
Module 3. Assisting in Diagnostics and Therapy	Topic 3.1 Preparing Animals for Examination, Diagnostics, and Surgery	Seminars
	Topic 3.2 Methods of Restraining Animals of Different Species	Seminars
	Topic 3.3 Collection and Initial Processing of Biological Samples (Blood, Urine, Feces, Scrapings, etc.)	Seminars
	Topic 3.4 Assisting in Injections and Infusions	Seminars
	Topic 3.5 Wound Treatment, Bandaging, and Participation in Surgical Procedures	Seminars

## 6. COURSE EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

*Table 6.1. Material and technical support of the discipline*

<b><i>Classroom for Academic Activity Type</i></b>	<b><i>Equipping the classroom</i></b>	<b>Specialized educational/laboratory equipment, software and materials for the development</b>
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		of the course (if necessary)
Seminar Room	A classroom for conducting seminar-type classes, group and individual consultations, ongoing assessments, and interim certification, equipped with specialized furniture and multimedia presentation equipment.	-
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. Kovalyov S.P. *Clinical Diagnostics of Internal Diseases in Animals*. — St. Petersburg: Lan, 2020. — 608 p. ISBN: 978-5-8114-3202-7
2. Chistyakov V.A., Kaminsky V.V. *Practicum on General and Special Surgery of Animals*. — St. Petersburg: Lan, 2022. — 384 p. ISBN: 978-5-8114-6869-9

### *Additional Readings:*

1. Zhukov V.M. *Ethics and Psychology of the Veterinary Doctor: A Textbook for Universities*. — 3rd ed., revised. — St. Petersburg: Lan, 2022. — 124 p. ISBN: 978-5-8114-7249-9
2. Nikitin I.N., Trofimova E.N., Klyuchnikova A.I. *Communication in Veterinary Medicine: A Textbook*. — St. Petersburg: Lan, 2018. — 152 p. ISBN: 978-5-8114-3085-7

### *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](http://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/](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 discipline/ module\*:

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

\* - 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).

### **DEVELOPER:**

Associate Professor of the Department of Veterinary  
Medicine

Position, Basic curriculum

Signature

Krotova E.A.

Full name.

### **HEAD OF EDUCATIONAL DEPARTMENT:**

Department of Veterinary Medicine

Name Basic Curriculum

Signature

Vatnikov Yu.A.

Full name.

### **HEAD OF HIGHER EDUCATION PROGRAMME:**

Director of the Department of Veterinary Medicine

Position, Basic curriculum

Signature

Vatnikov Yu.A.

Full name