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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**

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**Forensic Veterinary Examination and Necropsy**

course title

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

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**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**

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higher education programme profile/specialisation title

## 1. GOALS AND OBJECTIVES OF THE COURSE

The aim of mastering the course "**Forensic Veterinary Examination and Necropsy**" is to form students' knowledge and skills to solve social issues arising in legal, investigative and judicial legal practice based on knowledge about the structure and logic of the pathoanatomic diagnosis.

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

The implementation of the course "**Forensic Veterinary Examination and Necropsy**" 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-13	Ability to perform post-mortem diagnostic examinations of animals to identify pathological processes, diseases, and causes of death.	PC-13.3 Able to determine the cause of death and make a pathological-anatomical diagnosis in accordance with commonly accepted criteria, classifications, and lists of animal diseases.
		PC-13.4 Able to document the results of a post-mortem diagnostic examination of an animal in an autopsy report.

## 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course "**Forensic Veterinary Examination and Necropsy**" 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 "**Forensic Veterinary Examination and Necropsy**".

*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-13	Ability to perform post-mortem diagnostic examinations of animals to identify pathological processes, diseases, and	General Surgery / Общая хирургия	Variable component / Вариативная компонента Clinical Industrial Practice /

	causes of death.		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
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#### 4. COURSE WORKLOAD AND TRAINING ACTIVITIES

Course workload of the course "**Forensic Veterinary Examination and Necropsy**" is 2 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			
			9	-	-	-
Contact academic hours		34	34	-	-	-
including						
Lectures		-	-	-	-	-
Lab work		34	34	-	-	-
Seminars (workshops/tutorials)		-	-	-	-	-
Self-study		29	29	-	-	-
Evaluation and assessment (exam/pass/fail grading)		9	9	-	-	-
<b>Course workload</b>	Academic hour	<b>72</b>	<b>72</b>	-	-	-

	Credit unit	2	2	-	-	-
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## 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 principles of forensic veterinary medicine.	Topic 1.1. Subject of forensic veterinary medicine.	Lab work.
	Topic 1.2. The history of the development of forensic veterinary medicine.	Lab work.
	Topic 1.3. Scientific and methodological, procedural and organizational bases of forensic veterinary medicine.	Lab work.
	Topic 1.4. Forensic veterinary examination in civil cases.	Lab work.
	Topic 1.5. The Law of the Russian Federation "On Veterinary Medicine" and its role in the implementation of veterinary measures and forensic veterinary examination.	Lab work.
Module 2. Private forensic veterinary medicine.	Topic 2.1. The modern doctrine of death – thanatology.	Lab work.
	Topic 2.2. Forensic veterinary examination of an animal corpse.	Lab work.
	Topic 2.3. Examination of an animal corpse in case of sudden death.	Lab work.
	Topic 2.4. Examination of injuries and death of an animal from asphyxia.	Lab work.
	Topic 2.5. Examination of damage and death of an animal by drowning.	Lab work.
	Topic 2.6. Examination of an exhumed corpse or individual organs.	Lab work.
	Topic 2.7. Forensic veterinary toxicology.	Lab work.
	Topic 2.8. Forensic veterinary traumatology. Examination of damage of mechanical origin.	Lab work.
	Topic 2.9. Examination of damages caused by the action of extreme temperatures and electricity.	Lab work.
	Topic 2.10. Examination of animals in infectious and invasive pathology.	Lab work.

	Topic 2.11. Examination of the materials of the court case.	Lab work.
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## 6. COURSE EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Material and technical support of the course

<i>Classroom for Academic Activity Type</i>	<i>Equipping the classroom</i>	<b>Specialized educational/laboratory equipment, software and materials for the development of the course (if necessary)</b>
Laboratory	An auditorium for laboratory work, individual consultations, routine monitoring and interim certification, equipped with a set of specialized furniture and equipment.	- <i>Multimedia equipment.</i> - <i>Microtome.</i> - <i>Microscopes.</i> - <i>Autopsy tables</i>
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. Kunakov A. A. Forensic veterinary and sanitary examination / Kunakov A. A., Seregin I. G., Talanov G. A., Zabashta A. G. – St. Petersburg : Quadro, 2020. – 400 p.
2. Kravtsov A.P., Lushchai Yu.S., Tkachenko L.V. Forensic veterinary examination: textbook 2018.-72 p. <https://e.lanbook.com/book/104873>

### *Additional Readings:*

1. Vakhrusheva E.I. Private (special) pathological anatomy: textbook. – Krasnoyarsk State Agrarian University 2013 – 168 p . <https://e.lanbook.com/book/90782?category=43775>
2. Kudryashov, A.A. Forensic veterinary examination / A.A. Kudryashov, V.L. Balabanova. — Saint Petersburg : SPbGAVM, 2015. — 51 p. — Text : electronic // Electronic library system "Lan" : [website]. — URL: <https://e.lanbook.com/book/121321>
3. Latypov, D.G. Fundamentals of forensic veterinary examination : textbook / D.G. Latypov, I.N. Zalyalov. — 2nd ed., reprint. — Saint Petersburg : Lan, 2015. — 576 p. — ISBN 978-5-8114-1795-7. — Text : electronic // Electronic library system "Lan" : [website]. — URL: <https://e.lanbook.com/book/56169>
4. Kravtsov, A.P. Forensic veterinary examination : textbook / A.P. Kravtsov, Yu.S. Lushchai, L.V. Tkachenko. — Saint Petersburg : Lan, 2018. — 72 p. — ISBN 978-5-8114-3084-0. — Text : electronic // Electronic library system "Lan" : [website]. — URL: <https://e.lanbook.com/book/104873>
5. Latypov D.G., Zalyalov I.N., Autopsy and pathological diagnosis of animal diseases. – M.: Lan 2015 – 384 p. <https://e.lanbook.com/book/65956>
6. Pathological physiology and pathological anatomy of animals [Electronic resource] : Textbook / A.V. Zharov [et al.]; Edited by A.V. Zharov. - 2nd ed., reprint. and

additional ; Electronic text data. - St. Petersburg : Lan, 2014. - 416 p. : ill. (+ pasting, 16 p.). - (Textbooks for universities. Special literature) . - ISBN 978-5-8114-1534-2 : 1100.00.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=452266&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=452266&idb=0)

#### *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 course/ module\*:

1. A course of lectures on the course "**Forensic Veterinary Examination and Necropsy**".

2. Laboratory workshop on the course "**Forensic Veterinary Examination and Necropsy**".

\* - 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

Kulikov E.V.

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

Vatnikov Yu.A.

Position, Basic curriculum

Signature

Full name