

*Federal State Autonomous Educational Institution of Higher Education "Peoples' Friendship  
University of Russia"*

*Agrarian and Technological Institute*

*Recommended by ISSC*

AGREED  
ISSC Chairman

\_\_\_\_\_ (Yu.A. Vatnikov)

No. \_\_\_\_\_

" \_\_\_ " \_\_\_\_\_ 20 \_\_\_\_

APPROVED  
Chairman  
Of the Academic Council of Agrarian  
Institute of Technology  
\_\_\_\_\_ (E.A. Dovletyarova)  
Scientific Council meeting minutes  
agrarian-technological institute  
No. \_\_\_\_\_

" \_\_\_ " \_\_\_\_\_ 20 \_\_\_\_

**PRODUCTION PRACTICE PROGRAM**

**Discipline name Productive Practice**

**Recommended for the direction of training / specialty  
36.05.01 Veterinary Medicine**

**Graduate qualification Veterinarian.**

Moscow  
2021

## 1. The aim of the productive practice

The aim of the internship is the comprehensive formation of general cultural (universal) and professional competencies of students, both within the framework of the main program and in the field of specialization, as well as the collection of materials for the preparation of the final qualification work of a specialist (QW).

## 2. Objectives of the productive practice:

- consolidation of the skills of using by students the basic natural science laws and phenomena necessary in professional activity;
- deepening the level of theoretical and practical training of a graduate to perform professional tasks in accordance with the acquired qualifications;
- motivation of a person to self-development, to improve their qualifications and skills;
- the formation of stable motivation for professional activity in accordance with the types of professional activity provided for by the ES HE RUDN / FSES HE;
- development of the skill to find organizational and managerial solutions in non-standard situations and the willingness to take responsibility for them;
- ensuring the integration of education and scientific and technical activities,
- increasing the efficiency of using scientific and technological achievements, reforming the scientific sphere and stimulating innovation;
- ensuring the quality of training in accordance with the requirements of ES HE RUDN / FSES HE;

## 3. Place of productive practice in the structure of EP ED:

Industrial practice refers to Block 2 "Industrial practice", is based on the development of general professional and clinical disciplines, as well as disciplines of specialization and is the final stage of training a student in the specialty 36.05.01 "Veterinary medicine".

To undergo practical training, a student must:

### **Know:**

- infectious and invasive diseases of animals in all the variety of biological and pathological aspects of their manifestation (natural history, distribution, etiology, pathogenesis, epizootology, diagnostics, immunity, prevention and control measures);
- the essence of epizootology as a science of morbidity and epizootic process, general patterns of occurrence and spread of infectious animal diseases, causes, conditions,
- the mechanisms of manifestation of the epizootic process in certain nosological forms, their epizootic stereotype;
- basic concepts in the field of epizootology, parasitology, surgery, pathology, obstetrics, gynecology and andrology of animals and the organization of veterinary medicine used
- the organizational structure of the state veterinary service, its information support, planning, organization and management;
- have an idea of modern methods of monitoring the epizootic situation in the country and in the world;
- basic veterinary and sanitary requirements at all veterinary facilities and safety measures;

### **Be able to:**

- apply the methods of clinical and laboratory research of animals for the detection of non-communicable, infectious and invasive diseases;
- to provide therapeutic, prophylactic, antiepidemiological work with modern technical means and methods, bio- and chemotherapy drugs for vaccination, allergic diagnostics, treatment of animals,

collection of material for serological, scatological, etc. research, pathological material for laboratory diagnostics;

- analyze and generalize the information received, draw conclusions, using scientific terminology correctly;
- to assess the structure of the veterinary service;

**Obtain:**

- theoretical foundations of diagnosis, treatment and prevention of non-communicable, infectious and invasive diseases in animals;
- a professional approach to the diagnosis, prevention and treatment of non-communicable, infectious and invasive animal diseases;
- the ability to conduct veterinary and educational work among animal owners, colleagues and the entire population;
- the skill of applying knowledge in the field of veterinary medicine in any areas of their economic activities;

#### **4. Forms of industrial practice**

- 1) Production
- 2) Clinical
- 3) Laboratory

#### **5. Place and time of the industrial practice**

The main bases of industrial practice are veterinary clinics, agricultural enterprises, laboratories, enterprises for the production and processing of livestock products and other organizations that have concluded an agreement with RUDN University to provide a practice base for students.

Industrial practice is held in the 10th semester, in February-May.

#### **Competencies of the student, formed as a result of practical training**

As a result of the practical training, the student must acquire and consolidate the following professional competencies:

- The ability to collect anamnesis of life and disease of animals to identify the causes of diseases and their nature (PC-1)
- The ability to conduct a general clinical study of animals in order to establish a preliminary diagnosis and determine a further research program, as well as in accordance with the plan of antiepidemiological measures, the plan for the prevention of non-communicable animal diseases (PC-2)
- Ability to develop animal research programs using special (instrumental) and laboratory methods (PC-3)
- The ability to conduct clinical studies of animals using special (instrumental) and laboratory methods to clarify the diagnosis (PC-4)
- The ability to make a diagnosis based on the analysis of anamnesis data, general, special (instrumental) and laboratory research methods (PC-5)
- Ability to develop a treatment plan for animals based on the established diagnosis and individual characteristics of animals (PC-6)

- The ability to select the necessary medicinal products of a chemical and biological nature for the treatment of animals, taking into account their combined pharmacological effect on the body (PC-7)
- Ability to choose methods of non-drug therapy, including physiotherapeutic methods for treating animals (PC-8)
- Ability to carry out medical, including physiotherapy, procedures using special equipment in compliance with safety rules (PC-9)
- The ability to determine the need for the use of surgical and surgical methods in the treatment of animals (PC-10)
- Ability to develop a plan for a surgical operation, including the choice of a method of pain relief (PC-11)
- The ability to perform surgical intervention in the body of animals in the treatment of various diseases, castration, sterilization, for cosmetic purposes (PC-12)
- Ability to develop recommendations for special feeding of sick animals for therapeutic purposes (PC-13)
- The ability to conduct repeated examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment and adjust the treatment plan for animals (if necessary) based on the results of evaluating the effectiveness of treatment (PC-14)
- Ability to organize prophylactic immunizations (vaccinations), therapeutic and prophylactic treatments of animals in accordance with the plan of antiepidemiological measures (PC-15)
- The ability to organize organizational, technical, zootechnical and veterinary activities aimed at the prevention of non-communicable diseases in accordance with the plan for the prevention of non-communicable animal diseases (PC-16)
- The ability to organize disinfection and disinsection of livestock buildings to ensure veterinary and sanitary welfare in accordance with the plan of veterinary and sanitary measures (PC-17)
- The ability to draw up a plan for clinical examination of animals, taking into account their types and purpose, conduct medical examination, develop recommendations for conducting therapeutic and prophylactic and therapeutic measures based on the results of examination of animals carried out as part of medical examination (PC-18)
- Ability to develop an annual plan for antiepidemiological measures, a plan for the prevention of non-communicable animal diseases, a plan of veterinary and sanitary measures (PC-20)
- The ability to conduct inspections of the veterinary and sanitary state and microclimate of livestock buildings in accordance with the plan of antiepidemiological measures, the plan for the prevention of non-communicable animal diseases, the plan of veterinary and sanitary measures (PC-21)
- The ability to organize measures to protect the organization from the introduction of infectious and invasive diseases in accordance with the plan of antiepidemiological measures (PC-22)
- Ability to analyze the effectiveness of measures for the prevention of animal diseases in order to improve them (PC-23)
- Ability and readiness to promote veterinary knowledge, including in the field of animal disease prevention (PC-24)

In the section "**Academic research practice with the preparation of a scientific qualification project**", subject to and within the framework of the implementation of a scientific qualification project in the course of practical training, students additionally acquire and consolidate the following competencies:

- Ability to collect and analyze scientific information, develop plans, programs and methods for conducting scientific research, conduct scientific research and experiments (PC-26)
- Ability to analyze the results of scientific activity and organize work on the implementation of promising research results into practice (PC-27)

## 6. The structure and content of industrial practice

The total labor intensity of the industrial practice is 21 credit units, 14 weeks (504 astr. Or 756 academic hours, of which 54 hours for control).

Sections 1 "Medical and industrial practice" and 2 "General professional practice" are considered mandatory for passing.

№	Sections (stages) of practice	Types of educational work in practice, including independent work of students				Monitoring forms
1.	General professional practice	Safety briefing (4 hours)	Participation in clinical reception and treatment of animals, surgical operations, mass research, etc. (140 hours)	Participation in laboratory, visual, pathological diagnostics of animal diseases (140 hours)	Filling out the practice diary and preparing the trainee's report (36 hours, including SSW - 23 hours)	Protection of the report and diary on practice in the form of testing and / or oral interview (4 hours, including SSW - 4 hours)
2.1	(required section)	Familiarization with the regulations governing the production activities of the veterinarian (20 hours)	Clinical practice as part of an individual assignment (250 hours)	Solution of clinical and industrial problems in the process of daily activities of a practitioner (120 hours)	Filling out the practice diary and preparing the trainee's report (38 hours, including SSW - 23 hours)	Monitoring the implementation of an individual task in the form of a report, testing and / or oral interview (4 hours, including SQP - 4 hours)
2.2	6 weeks (324 hours, including 27 hours of SSW)	Development of a research plan (20 hours)	Conducting research as part of the preparation of the SQP (250 h.)	Analysis of the obtained results (120 h.)	Preparation of the SQP (38 hours, including SSW - 23 hours)	Defense of the SQP in the educational department (4 hours, including SSW - 4 hours)

## 7. Educational, research and scientific and production technologies used in the course of industrial practice.

During the practice, the following educational, research and scientific-production technologies are used:

1. Individual work of students in a clinical reception, production and / or laboratory under the guidance of mentors (practice leaders) from production.
2. Participation of the student in consultations, conferences and other forms of group professional events to discuss clinical cases, production tasks and methods of labor organization.
3. Students' analysis of educational materials, literature data and research materials for writing epicrisis and their own comments to them, as well as for filling in other sections of the report on industrial practice.
4. Communication, both direct and telecommunication, with the heads of the practice from production and RUDN University to resolve issues that arise during the production practice.

### **8. Educational and methodological support of independent work of students in industrial practice.**

In the course of independent work in the process of industrial practice, the student uses materials obtained in the course of studying general professional and clinical disciplines, as well as disciplines of specialization recommended by the literature.

Also, the trainer should use:

- Guidelines for conducting medical and industrial practice for students of the specialty 36.05.01 "Veterinary Medicine".
- Guidelines for the preparation of FQW specialist in the specialty 36.05.01 "Veterinary medicine"
- Instructions posted in the relevant sections of the internship report form and the internship diary form.

### **9. Educational-methodical and informational support of industrial practice**

a) main literature:

1. Obstetrics, gynecology and biotechnology of animal reproduction: textbook / AP Studentsov, VS Shipilov, V. Ya. Nikitin [and others]; edited by G.P. Dyulger. - 10th ed., Erased. - St. Petersburg: Lan, 2020. -- 548 p. <https://e.lanbook.com/book/129090>
2. Badluev E.B., Eshizhamsoev B.D., Tsybikzhapov A.D. Obstetrics and gynecology of farm animals. Workbook for laboratory and practical exercises and independent work: study guide 2019.-90s. <https://e.lanbook.com/book/113386>
3. Baimishev, Kh. B. Gynecology and andrology: guidelines / Kh. B. Baimishev. - Samara: SamGAU, 2018. -- 106 p. <https://e.lanbook.com/book/109422>
4. Workshop on internal diseases of animals: textbook / G. G. Shcherbakov, A. V. Yashin, A. P. Kurdeko [and others]; under the general editorship of GG Shcherbakov [and others]. - 3rd ed., Erased. - St. Petersburg: Lan, 2020. -- 544 p. <https://e.lanbook.com/book/139263>
5. Nechaev, A. V. Internal non-communicable diseases: a tutorial / A. V. Nechaev, Yu. A. Kurlykova. - Samara: SamGAU, 2020 - Part 1: General prevention and therapy - 2020. - 122 p. <https://e.lanbook.com/book/158657>
6. Dyulger, G. P. Fundamentals of veterinary medicine: a textbook for universities / G. P. Dyulger, G. P. Tabakov. - 3rd ed., Erased. - St. Petersburg: Lan, 2020. -- 476 p. <https://e.lanbook.com/book/146658>
7. Epizootology with microbiology: textbook / A.S. Aliev, Yu. Yu. Danko, I. D. Yeshchenko [and others]; Ed. V.A. Kuzmina. - 2nd ed., Erased. - SPb. : Publishing house "Lan", 2017. - 432 p. [http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=465028&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=465028&idb=0)

8. Sidorchuk, A. A. General epizootology: a textbook for universities / A. A. Sidorchuk, V. A. Kuzmin, S. V. Alekseeva. - 2nd ed., Erased. - St. Petersburg: Lan, 2021 .-- 248 p. <https://e.lanbook.com/book/156931>
9. Epizootology with microbiology: a textbook for universities / AS Aliev, Yu. Yu. Danko, ID Eshchenko [and others]; Edited by V. A. Kuzmin, A. V. Svyatkovsky. - 6th, erased. - St. Petersburg: Lan, 2021 .-- 432 p. <https://e.lanbook.com/book/162384>
10. Skubko, OR Morphofunctional features and diseases of animal bones: a tutorial / OR Skubko, ON Shushakova. - Omsk: Omsk GAU, 2020 .-- 52 p. <https://e.lanbook.com/book/136157>
11. Operative surgery in animals: a textbook for universities / BS Semenov, VN Videnin, A. Yu. Nechaev [and others]. - St. Petersburg: Lan, 2020 .-- 704 p. <https://e.lanbook.com/book/162365>
12. Skubko, O. R. Methods of lectures of the academic discipline B1.B.23 "Operative surgery with topographic anatomy": a tutorial / O. R. Skubko, G. A. Honin, O. N. Shushakova. - Omsk: Omsk GAU, 2019 .-- 65 p. <https://e.lanbook.com/book/126630>
13. Latypov D.G. Protozoal diseases of animals, dangerous for humans (protozoal zoonoses): a tutorial / D.G. Latypov, R.R. Timerbaeva, E.G. Kirillov. - SPb. : Publishing house "Lan", 2017. - 208 p. [http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=464930&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=464930&idb=0)
14. Latypov D.G. Helminthiasis of animals, dangerous for humans: textbook / D.G. Latypov. - 3rd ed., Rev. - SPb. : Publishing house "Lan", 2017. - 440 p. [http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=464941&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=464941&idb=0)
15. Latypov, DG Parasitology and invasive diseases of animals: a textbook for spo / DG Latypov, RR Timerbaeva, EG Kirillov. - 2nd ed., Erased. - St. Petersburg: Lan, 2021 .-- 520 p. <https://e.lanbook.com/book/159517>
16. Yatusевич, AI Parasitology and invasive diseases of animals: a tutorial / AI Yatusевич, NF Karasev, SI Stasyukevich. - Minsk: RIPO, 2020 .-- 266 p. <https://e.lanbook.com/book/154220>
17. Nikitin, IN Workshop on the organization of veterinary affairs: a tutorial / IN Nikitin. - 4th ed., Rev. and add. - St. Petersburg: Lan, 2020 .-- 324 p. <https://e.lanbook.com/book/131031>
18. Nikitin, IN Legal support of veterinary activity: a textbook for professional training / IN Nikitin. - 2nd ed., Erased. - St. Petersburg: Lan, 2021 .-- 212 p. <https://e.lanbook.com/book/155692>
19. Zabolotnykh M. V., Ivkova I. A., Zhidik I. Yu. Fundamentals of the organization of veterinary and sanitary affairs: study guide 2020.-91s
20. Nikitin, IN Veterinary clinic: textbook for universities / IN Nikitin, VV Ivanov, EN Trofimova. - 2nd, erased. - St. Petersburg: Lan, 2021 .-- 184 p. <https://e.lanbook.com/book/162385>

b) additional literature:

1. Polyantsev, NI Workshop on obstetrics, gynecology and biotechnology of animal reproduction: a tutorial / NI Polyantsev. - St. Petersburg: Lan, 2016 .-- 272 p. <https://e.lanbook.com/book/71726>
2. Medicines used in veterinary obstetrics, gynecology, andrology and biotechnology of animal reproduction: a tutorial / G. P. Dyulger, V. V. Khramtsov, Yu. G. Sibileva, Zh. O. Kemeshov. - St. Petersburg: Lan, 2016 .-- 272 p. <https://e.lanbook.com/book/75510>
3. Biotechnology of reproduction of farm animals and birds: a tutorial / compiled by EI Shurmanova [and others]. - Yekaterinburg: UrGAU, 2020 .-- 212 p. <https://e.lanbook.com/book/155046>
4. Kiseleva, EV Obstetrics and biotechnology of animal reproduction: a teaching aid / EV Kiseleva. - Ryazan: RGATU, 2019 .-- 79 p. <https://e.lanbook.com/book/137436>
5. Fundamentals of veterinary medicine and biotechnology of animal reproduction, Non-infectious diseases of animals: a tutorial / E. M. Maryin, V. A. Ermolaev, P. M. Lyashenko, A. V. Sapozhnikov. - Ulyanovsk: UIGAU named after P.A.Stolypin, 2015 .-- 352 p. <https://e.lanbook.com/book/133785>

6. Gertman, A. M. Diseases of the kidneys and organs of the urinary system of animals: a tutorial / A. M. Gertman, T. S. Samsonova. - 2nd ed., Rev. - St. Petersburg: Lan, 2016 .-- 388 p. <https://e.lanbook.com/book/79324>
7. Examination of northern fish species. Quality and safety: textbook for universities / A. A. Gnedov, O. A. Ryazanova, E. B. Tabala, V. M. Poznyakovsky; under the general editorship of V.M. Poznyakovsky. - 2nd ed., Erased. - St. Petersburg: Lan, 2021 .-- 436 p. <https://e.lanbook.com/book/155667>
8. Internal non-communicable diseases: study guide: in 2 parts / compiled by T. N. Babkina, N. V. Lenkova. - Persianovsky: Donskoy GAU, 2020 - Part 2: Internal non-communicable diseases - 2020 .-- 155 p. <https://e.lanbook.com/book/148534>
9. Prevention of infectious diseases of animals by aerosols of chemical and biological preparations: monograph / A.T. Kushnir, I.A. Bureev, Yu.O. Selyaninov [and others]. - SPb. : Publishing house "Lan", 2016. - 192 p. [http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=465095&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=465095&idb=0)
10. Infectious diseases common to many species of animals: teaching aid / V. K. Tikhonov, G. P. Tikhonova, O. Yu. Petrova, N. G. Ivanov. - Cheboksary: ChGSKhA, 2018 .-- 557 p. <https://e.lanbook.com/book/141997>
11. Zubareva, IM Aspects of general epizootology of invasive diseases: a tutorial / IM Zubareva, VI Vasilevich, AS Donchenko. - Novosibirsk: NSAU, 2016 .-- 275 p. <https://e.lanbook.com/book/90996>
12. Ataev, A. M. Ichthyopathology: textbook / A. M. Ataev, M. M. Zubairova. - St. Petersburg: Lan, 2020 .-- 348 p. <https://e.lanbook.com/book/146911>
13. Fundamentals of veterinary medicine and biotechnology of animal reproduction, Non-infectious diseases of animals: a tutorial / E. M. Maryin, V. A. Ermolaev, P. M. Lyashenko, A. V. Sapozhnikov. - Ulyanovsk: UIGAU named after P.A.Stolypin, 2015 .-- 352 p. <https://e.lanbook.com/book/133785>
14. Medvedeva, L. V. Fundamentals of veterinary operative surgery: a tutorial / L. V. Medvedeva, N. A. Malygina. - Barnaul: AGAU, 2018 .-- 157 p. <https://e.lanbook.com/book/137643>
15. Avdeenko, V. S. Veterinary andrology: a tutorial / V. S. Avdeenko, S. V. Fedotov. - St. Petersburg: Lan, 2019 .-- 308 p. <https://e.lanbook.com/book/115500>
16. Turitsyna, EG Anatomy of animals. Visceral systems of the body: splanchnology: a tutorial / E.G. Turitsyna. - Krasnoyarsk: KrasGAU, 2018 .-- 183 p. <https://e.lanbook.com/book/130131>
17. Parasitology and invasive diseases of animals: textbook for universities: in 2 volumes / D. G. Latypov, A. Kh. Volkov, R. R. Timerbaeva, E. G. Kirillov. - St. Petersburg: Lan, [b. year]. - Volume 1 - 2021 .-- 548 p. <https://e.lanbook.com/book/159484>
18. Parasitology and invasive diseases of animals: textbook for universities: in 2 volumes / D. G. Latypov, A. Kh. Volkov, R. R. Timerbaeva, E. G. Kirillov. - St. Petersburg: Lan, 2021 - Volume 2 - 2021 .-- 444 p. <https://e.lanbook.com/book/162360>
19. Lutfullin, M. Kh. Veterinary helminthology: a textbook / M. Kh. Lutfullin, D. G. Latypov, M. D. Kornishina. - 2nd ed., Erased. - St. Petersburg: Lan, 2018 .-- 304 p. <https://e.lanbook.com/book/102228>
20. Klimova, E. S. Cestodology: laboratory practice: a tutorial / E. S. Klimova, T. V. Babintseva. - Izhevsk: Izhevsk State Agricultural Academy, 2019 .-- 74 p. <https://e.lanbook.com/book/158573>
21. Kudacheva, N. A. Organization of veterinary affairs: a tutorial / N. A. Kudacheva. - Samara: SamGAU, 2019 .-- 131 p. <https://e.lanbook.com/book/123535>
22. History of veterinary medicine: textbook / compiled by N. A. Minenkov. - Kursk: Kursk State Agricultural Academy, 2020 .-- 101 p. <https://e.lanbook.com/book/134832>
23. Organization of veterinary affairs: a tutorial. - Stavropol: SPGU, 2019 .-- 300 p. <https://e.lanbook.com/book/142440>



24. Nikitin I.N. Organization and economics of veterinary medicine: textbook / I.N. Nikitin. - 6th ed., Rev. and add. - SPb. : Publishing house "Lan", 2014. - 368 p. [http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=465183&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=465183&idb=0)

### **c) software and Internet resources:**

- Windows 7 Enterprise
- Microsoft Office.

1. [www.cnshb.ru](http://www.cnshb.ru),
2. [www.elibrary.ru](http://www.elibrary.ru),
3. [www.vet.purdue.edu](http://www.vet.purdue.edu),
4. [www.allvet.ru](http://www.allvet.ru),
5. [www.glossary.ru](http://www.glossary.ru),
6. [www.vetmed.edu](http://www.vetmed.edu)
7. <https://www.ncbi.nlm.nih.gov/pubmed>
8. <http://www.uhvuz.ru>
9. <http://www.veterinarka.ru>
10. [www.allvet.ru](http://www.allvet.ru)
11. <https://www.medlit.biz>

### **10. Material and technical support of medical practice.**

- Equipped workplaces based on practice;
- Equipment:
  - o Means for immobilizing and restraining animals (machines, boosters, collars, yawns, etc.)
  - o Clinical diagnostic tools (stethoscopes, percussion hammers and plessimeters, flashlights, etc.)
  - o Equipment for visual diagnostics (ultrasound scanners, X-ray machines, arthroscopes, endoscopes, CT and MRI machines, etc.)
  - o Laboratory equipment (microscopes, centrifuges, analyzers, etc.)
  - o Anesthetic equipment
  - o Surgical equipment, etc.

### **11. Forms of intermediate certification (based on the results of industrial practice).**

#### **Documents for interim certification:**

Based on the results of the practical training, the student prepares

1. Diary. The main document reflecting the volume and quality of the student's work during practice. (Appendix 1, Appendix 3)
2. Report. A bound document drawn up and supplemented with illustrations, made in accordance with the regulations for the preparation of a report on the corresponding section of industrial practice. (Appendix 2, Appendix 4)

If the student prepares the SQW, then additionally, based on the results of passing the section "**Academic research practice with the preparation of a scientific qualification project**" of the industrial practice, the student prepares materials for a scientific qualification project of a specialist. The criteria for work are determined by the "Methodological guidelines for the training

of a SQW specialist." The pre-defense of the NCP is not taken into account during the interim appraisal of the industrial practice.

**Interim certification is carried out in the form of:**

1. Checking and evaluating the trainee's diary in accordance with the point-rating system.
2. Protecting the diary through an interview.
3. Checking and evaluating the report on practice, including the results of the individual assignment for veterinary and sanitary examination, in accordance with the point-rating system.
4. Defense of the report through public speaking / individual interview.
5. Testing

**A report printed on paper**, stitched and executed in accordance with the guidelines for drawing up a report on industrial practice is allowed for verification and evaluation.

At the end of the report, the original diary of industrial practice, drawn up in accordance with the methodological recommendations, should be attached and stitched together with the report.

The report and diary of industrial practice must be certified by the signature of the head of the practice from the enterprise and the seal at the place of internship in the places determined by the methodological instructions on the design of the diary and report.

The printed report must be accompanied by an electronic version of the report placed in the appropriate section of TUIS.

**A report is allowed for verification, which includes the following mandatory components:**

- Title page.
- Assignment for industrial practice.
- Table of Contents.
- The main part of the report.
- Characteristics of the student from the place of internship.
- Diary of industrial practice, sewn after the report.

**When evaluating** the report on industrial practice, the following is taken into account:

- Compliance of the content of the report with the task.
- Clarity of the structure of work.
- Literacy of the presentation of the material.
- The degree of elaboration of each of the points of the assignment.
- Absence of plagiarism in sections that cannot be copied from the primary documentation.
- Availability, quantity and quality of the results of our own research.
- Systematic design.
- The presence in the report of the analysis of the activities of the enterprise, its main functional divisions, the availability of an information base (statistical materials).
- Student answers to questions asked during the defense of the work.
- Assessment given by the head of practice from the enterprise in the characterization.

**Description of indicators, criteria and scale for assessing competencies**

<b>GRS points</b>	<b>Traditional RF assessments</b>	<b>Evaluations ECTS</b>
95 - 100	5	A
86 - 94		B
69 - 85	4	C
61 - 68	3	D
51 - 60		E

31 - 50	2	FX
0 - 30		F
51-100	Credit	Passed

Explanation of the grades table:

**Description of ECTS grades**

<b>A</b>	“ <b>Excellent</b> ” - the theoretical content of the course is fully mastered, without gaps, the necessary practical skills for working with the acquired material are formed, all the educational tasks provided for by the training program are completed, the quality of their implementation is assessed by the number of points close to the maximum.
<b>B</b>	“ <b>Very good</b> ” - the theoretical content of the course has been mastered completely, without gaps, the necessary practical skills for working with the mastered material have basically been formed, all the educational tasks provided for by the training program have been completed, the quality of most of them is assessed by the number of points close to the maximum.
<b>C</b>	“ <b>Good</b> ” - the theoretical content of the course has been mastered completely, without gaps, some practical skills of working with the acquired material are not sufficiently formed, all the educational tasks provided for by the training program have been completed, the quality of performance of none of them was not assessed by the minimum number of points, some types of tasks were completed with errors.
<b>D</b>	“ <b>Satisfactory</b> ” - the theoretical content of the course is partially mastered, but the gaps are not significant, the necessary practical skills for working with the mastered material are basically formed, most of the educational tasks provided for in the training program have been completed, some of the completed tasks may contain errors.
<b>E</b>	“ <b>Satisfactory</b> ” - the theoretical content of the course is partially mastered, some practical skills have not been formed, many of the educational tasks provided for by the training program have not been completed, or the quality of some of them is assessed by the number of points close to the minimum.
<b>FX</b>	“ <b>Conditionally unsatisfactory</b> ” - the theoretical content of the course has been mastered in part, the necessary practical skills have not been formed, most of the educational tasks provided for by the training program have not been completed, or the quality of their implementation was assessed by the number of points close to the minimum; with additional independent work on the course material, it is possible to improve the quality of the performance of educational tasks.
<b>F</b>	“ <b>Certainly unsatisfactory</b> ” - the theoretical content of the course has not been mastered, the necessary practical skills have not been formed, all completed study tasks contain gross errors, additional independent work on the course material will not lead to any significant improvement in the quality of the study tasks.

The program has been drawn up in accordance with the requirements of the ES of HE RUDN

**Developers:**

Associate Professor of the  
Department  
veterinary medicine

\_\_\_\_\_  
(signature)

Drukovsky S.G.

Associate Professor of the

Department  
veterinary medicine

\_\_\_\_\_  
(signature)

Troshina N.I.

Assistant at the Department of  
Veterinary Medicine

\_\_\_\_\_  
(signature)

Lukina D.M.

**Program Manager:**

Professor of the Department  
of Veterinary Medicine

\_\_\_\_\_  
(signature)

Vatnikov Yu.A.

**Director of the Department  
of Veterinary Medicine**

\_\_\_\_\_  
(signature)

Vatnikov Yu.A.