

Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Ястребов Олег Александрович
Должность: Ректор
Дата подписания: 09.06.2022 17:03:48
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

STATE FINAL CERTIFICATION SYLLABUS

**Federal State Autonomous Educational Institution for Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
(RUDN University)
Agrarian and Technological Institution**

STATE FINAL CERTIFICATION SYLLABUS

Recommended by the Methodological Council for the Education Field for Higher Education Field/ Specialization:

36.05.01. Veterinary

State final certification is carried out as part of the implementation of the main professional educational program of the Higher Education Program:

(the Higher Education Program title (profile/specialization))

1. AIMS AND OBJECTIVES OF THE STATE FINAL CERTIFICATIONS (SFC)

The aim of the SFC within the framework of the implementation of the Higher Education Program “36.05.01 Veterinary” is to determine the compliance of the results of mastering the teaching aids of the Higher Education Program with the relevant requirements of the Federal State Educational Standard of the Higher Education or the ES of the RUDN University.

The objectives of the state final certification are:

- To check the quality of education of the acquired humanitarian knowledge, natural science laws and phenomena, the need for professional activity;
- To determine of the level of theoretical and practical readiness of a graduate to perform professional tasks in accordance with the existing qualifications;
- To establish the degree of a person's desire for self-development, improving their qualifications and skills;
- To check the formation of a graduate's sustainable motivation for professional activity in accordance with the types of tasks of professional activity provided for by the Federal State Educational Standard of the Higher Education or the ES of the RUDN University;
- To assess of the level of graduates' abilities to find organizational and managerial solutions in non-standard manifestations and bear responsibility for them;
- To ensure a high degree of education and scientific and technical activities, increasing the efficiency of using scientific and technological achievements, expanding the scientific sphere and stimulating innovation;
- To ensure the quality of training of specialists in accordance with the requirements of the Federal State Educational Standard of the Higher Education or the ES of the RUDN University.

2. REQUIREMENTS FOR LEARNING OUTCOMES OF THE HIGHER EDUCATION PROGRAM

A student who does not have an academic debt and who has fully completed the curriculum or the individual curriculum of the Higher Education Program is allowed to the SFC.

At the end of the development of the Higher Education Program, the graduate must have the following universal competencies (UC):

Universal competence code and title
UC-1. The ability to search, critical analysis and synthesis of information, apply a systematic approach to solve the tasks.
UC-2. The ability to determine the range of tasks within the set goal and choose the best ways to solve them, based on current legal regulations, available resources and restrictions.
UC-3. Ability to socialize and fulfill your role in a team
UC-4. The ability to communicate in interpersonal and intercultural interaction in Russian as a foreign and foreign language(s) based on the possession of interrelated and interdependent types of reproductive and productive foreign language speech activities, such as listening, speaking, reading, writing and translating in everyday life, sociocultural, educational and professional, official business and scientific spheres of communication.

UC-5. The ability to perceive the intercultural diversity of society in the socio-historical, ethical and philosophical contexts.
UC-6. The ability to manage your time, build and implement a trajectory of self-development based on the principles of lifelong education.
UC-7. The ability to maintain the proper level of physical fitness to ensure full-fledged social and professional activities.
UC-8. The ability to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the event of a threat and the occurrence of emergencies and military conflicts.
UC-9. Ability to use basic defectological knowledge in social and professional areas.
UC-10. The ability to make informed economic decisions in various areas of life.
UC-11. The ability to form an intolerant attitude towards corrupt behavior.
UC-12. The ability to search for the necessary sources of information and data, perceive, analyze, memorize and transmit information using digital means, as well as using algorithms when working with data obtained from various sources in order to effectively use the information received to solve problems;

- general professional competencies (GPC):

General professional competence code and title
GPC-1 The ability to determine the biological status and normative clinical indicators of organs and systems of the animal body.
GPC-2 The ability to interpret and evaluate in professional activities the impact on the physiological state of the animal organism of natural, socio-economic, genetic and economic factors.
GPC-3 The ability to carry out and improve professional activities in accordance with regulatory legal acts in the field of the agro-industrial complex.
GPC-4 The ability to use in professional activities methods of solving problems using modern equipment in the development of new technologies and to use modern professional methodology for conducting experimental studies and interpreting their results.
GPC-5 The ability to draw up special documentation, analyze the results of professional activities and submit reporting documents using specialized databases.
GPC-6 The ability to analyze, identify and carry out a risk assessment of the risk of the emergence and spread of diseases.
GPC-7 The ability to understand the principles of modern information technology and use them to solve problems of professional activity.

- professional competencies (PC):

Professional competencies code and name
PC-1. The ability to collect an anamnesis of the life and illness of animals to identify the causes of diseases and their nature
PC-2. 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 anti-epizootic measures, the plan for the prevention of non-communicable animal diseases
PC-3. Ability to develop animal research programs using special (instrumental) and laboratory methods
PC-4. The ability to conduct clinical studies of animals using special (instrumental) and laboratory methods to clarify the diagnosis
PC-5. The ability to make a diagnosis based on the analysis of anamnesis data, general, special (instrumental) and laboratory research methods
PC-6. Ability to develop a treatment plan for animals based on the established diagnosis and individual characteristics of animals
PC-7. The ability to select the necessary drugs of a chemical and biological nature for the treatment of animals, taking into account their cumulative pharmacological effect on the body
PC-8. Ability to choose methods of non-drug therapy, including physiotherapy methods for the treatment of animals
PC-9. The ability to conduct medical, including physiotherapy procedures using special equipment in compliance with safety rules
PC-10. The ability to determine the need for the use of surgical methods in the treatment of animals
PC-11. Ability to develop a plan for the surgical operation, including the choice of method of anesthesia
PC-12. The ability to conduct surgical intervention in the body of animals in the treatment of various diseases, castration, sterilization, for cosmetic purposes
PC-13. Ability to develop recommendations for special feeding of sick animals for therapeutic purposes
PC-14. 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-15. Ability to organize prophylactic immunizations (vaccinations), treatment and prophylactic treatment of animals in accordance with the plan of anti-epizootic measures

PC-16. Ability to organize managerial, technical, zootechnical and veterinary measures aimed at the prevention of non-communicable diseases in accordance with the plan for the prevention of non-communicable animal diseases
PC-17. Ability to organize disinfection and disinfestation of livestock buildings to ensure veterinary and sanitary well-being in accordance with the plan of veterinary and sanitary measures
PC-18. The ability to draw up a plan for the medical examination of animals, taking into account their species and purpose, to conduct medical examinations, to develop recommendations for conducting preventive and therapeutic and therapeutic measures based on the results of examination of animals conducted as part of the medical examination
PC-19. Ability to perform post-mortem diagnostic examination of animals in order to establish pathological processes, diseases, causes of death
PC-20. Ability to develop an annual plan for anti-epizootic measures, a plan for the prevention of non-communicable animal diseases, a plan for veterinary and sanitary measures
PC-21. Ability to conduct inspections of the veterinary and sanitary condition and microclimate of livestock buildings in accordance with the plan for anti-epizootic measures, the plan for the prevention of non-communicable animal diseases, the plan for veterinary and sanitary measures
PC-22. Ability to organize measures to protect the organization from the introduction of infectious and parasitic diseases in accordance with the plan of anti-epizootic measures
PC-23. Ability to analyze the effectiveness of animal disease prevention measures in order to improve them
PC-24. Ability and willingness to promote veterinary knowledge, including in the field of animal disease prevention

3. SFC BODY

The SFC can be conducted both in full-time format (students and the state examination committee are at RUDN University during the SFC) and using distance learning technologies (DLT) available in the RUDN Electronic Information and Educational Environment (EIEE).

The procedure for conducting the SFC in full-time format or using DLT is regulated by the relevant local normative act of the RUDN University.

SFC according to the Higher Education Program "36.05.01 Veterinary" includes:

- state exam (SE);
- defense of the final qualifying work (FQW) as an elective discipline at the initiative of the graduate.

4. SE PROGRAM

The state exam is held in clinical disciplines and disciplines of specializations, the results of mastering which are of decisive importance for the professional activities of graduates.

The volume of the SE of the Higher Education Program is 9 credits.

The state exam is held in two stages:

The **first stage** is an assessment of the level of theoretical training of a graduate in the form of computer testing using the tools available in the RUDN Electronic Information and Educational Environment (EIEE);

The **second stage** is an assessment of the graduate's practical preparation for future professional activity in the form of answers to questions and solving production situational problems (cases).

In order to prepare students for passing the SE, the head of the Higher Education Program (no later than one calendar month before the start of the SFC) is obliged to familiarize the graduate students with this SFC program, an exhaustive list of theoretical issues included in the SE, examples of production situational tasks (cases) that are necessary will decide in the process of passing the certification test, as well as with the procedure for conducting each of the stages of the State Examination and the methodology for evaluating its results (with assessment materials).

Before the FSC, students are required to be consulted on issues and tasks included in the FSC program (pre-examination consultation).

The procedure for conducting **computer testing** within the FSC is following:

- 1) Preparation for computer testing takes place in the process of studying clinical disciplines and disciplines of specialization. Questions of computer testing can be included in educational and final tests of clinical disciplines.
- 2) Trial computer testing is carried out at least a week before the state computer testing. In the process of trial testing, students overcome the technical difficulties of the testing process, determine the approximate level of their preparation and receive answers to emerging questions from the teacher responsible for testing and the proctor (in the remote form of testing). Technically, the procedure for trial computer testing completely repeats the procedure for state computer testing.
- 3) Computer testing is carried out in person in a computer class or in the DLT format using the RUDN University Electronic Information and Educational Environment (EIEE). The test part of the interdisciplinary exam includes 100 questions. The questions are worded in such a way that only one correct answer can be given. Multiple answers are not expected in state testing questions. Each correct answer can give 1 point. Thus, a student can receive up to 100 points. The duration of computer testing is not more than 60 minutes. The student has 1 attempt.
- 4) Evaluation of test results is carried out automatically by means of the RUDN University Electronic Information and Educational Environment (EIEE). To be admitted to the oral part of the state exam, a student must score at least 51 points.
- 5) A student who scored less than 51 points for state testing or did not appear for state computer testing without a good reason is considered not certified and is not allowed to the next stages of the State Examination.
- 6) In the event that a student is absent from the state computer testing for a good reason, he is assigned a date for additional testing within the terms of the FSC.

The procedure for conducting **the second stage** of the SE is as follows:

- 1) Students who scored at least 51 points in the state computer testing are allowed to take the oral part of the state exam. In the future, the test score is not taken into account, with the exception of controversial cases when setting the final mark for the oral answer. According to the

decision of the SEC, a high score for computer testing may serve as the basis for setting a higher final grade.

2) At the command of the secretary of the SEC, students enter the auditorium of the FSC in turn.

3) The student chooses an exam ticket and prepares for an answer. The maximum preparation time for an oral response is 40 minutes. A draft with notes made during the preparation process can be used by the student in the process of responding to the members of the SEC. In the future, the draft is submitted to the secretary of the SEC and can be used in the appeal. At the end of the FSC, drafts are destroyed.

4) When answering the questions of the oral part of the state exam and when analyzing a situational task (case), the student must demonstrate the universal, general professional and professional competencies acquired in the learning process.

5) Members of the SEC may ask additional questions that contribute to a more vivid disclosure of the degree of competence of the responding student.

6) In the course of answering the questions of the state exam and presenting a solution to a situational problem, the student assesses the completeness and correctness of the answer, the literacy of the presentation, the breadth of professional horizons, the depth and relevance of knowledge of clinical disciplines and disciplines of specialization.

7) The final assessment of answering questions and solving the problem of the State Interdisciplinary Examination is set on the basis of the number of points scored by the student during the oral answer.

Evaluation of the results of passing the SE is carried out in accordance with the methodology set forth in the evaluation materials presented in the Appendix to this FSC program.

5. REQUIREMENTS FOR FQW AND PROCEDURE FOR ITS DEFENCE

FQW is a work done by a student (several students together), demonstrating the level of preparedness of a graduate for independent professional activity.

The defense of the FQW is not a mandatory component of the FSC of the Higher Education Program "36.05.01 Veterinary" and is carried out on the initiative of the student on a voluntary basis as an elective after the state exams.

The list of topics for graduation qualification works offered to students for implementation is approved by the order of the Head of the Department and brought to the attention of the graduate students by the program manager no later than 6 months before the date of the start of the FSC.

It is allowed to prepare and defend the FQW on the topic proposed by the student (students), in the prescribed manner.

A student who has passed the SE is allowed to defend the FQW.

Only a fully completed FQW, signed by the graduate (graduates), who completed it, the supervisor, the consultant (if any), the Head of the Department, which has passed the external review procedure (mandatory for master's and specialist programs) and checked for the amount of borrowing (in the system "Antiplagiarism"). A review of the supervisor on the work of the graduate in the preparation of the FQW is mandatory attached to the FQW, admitted to the defense.

In order to identify and timely eliminate shortcomings in the structure, content and design of the FQW, no later than 14 days before the date of its defense, a rehearsal of the defense of

students of their work (pre-defense) is held in the presence of the supervisor of the FQW and other teachers of the Department.

The defense of the FQW is held at an open meeting of the State Examination Commission (SEC) in person or remotely.

The certification test is carried out in the form of an oral report of students with a mandatory multimedia (graphic) presentation, reflecting the main content of the FQW.

Upon completion of the report, the defenders give oral answers to questions that have arisen from the members of the SEC on the subject, structure, content or design of the FQW and the profile of the Higher Education Program. The report and/or answers to the questions of the SEC members may be in a foreign language.

The stages of the FQW implementation, the requirements for the structure, volume, content and design, as well as the list of mandatory and recommended documents submitted for defense are indicated in the relevant guidelines.

The evaluation of the results of the defense of the FQW is carried out in accordance with the methodology set out in the evaluation materials presented in the Appendix to this FSC program.

6. FSC INFRASTRUCTURE AND TECHNOLOGY SUPPORT REQUIREMENTS

A computer class for trial and state testing with appropriate computer equipment, the ability to enter the RUDN Electronic Information and Educational Environment (EIEE) and access the Internet. Audience for the state exam and the defense of the FQW, equipped with multimedia facilities with the ability to access the Internet. Laptops for the Secretary of the SEC and (if necessary) members of the SEC to enable remote participation in the work of the SEC. Licensed corporate software Microsoft Office 365, if necessary - specialized software for reading x-rays and other special software.

7. FSC RECOMMENDED SOURCES FOR COURSE STUDIES

Main reading for preparing for the SE and / or the implementation and defense of the FQW:

1. Obstetrics, gynecology and biotechnology of animal reproduction: textbook / A. P. Studentsov, V. S. Shipilov, V. Ya. Nikitin [and others]; edited by G. P. Dyulger. - 10th ed., revised. - 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 classes and independent work: study guide 2019.-90s. <https://e.lanbook.com/book/113386>
3. Baymishev, Kh. B. Gynecology and andrology: guidelines / Kh. B. Baymishev. - Samara: SamGAU, 2018. - 106 p. <https://e.lanbook.com/book/109422>
4. Workshop on internal animal diseases: textbook / G. G. Shcherbakov, A. V. Yashin, A. P. Kurdeko [and others]; under the general editorship of G. G. Shcherbakov [and others]. - 3rd ed., revised. - St. Petersburg: Lan, 2020. - 544 p. <https://e.lanbook.com/book/139263>
5. Nechaev, A. V. Internal non-communicable diseases: textbook / 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 science: a textbook for universities / G. P. Dyulger, G. P. Tabakov. - 3rd ed., revised. - 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 [i dr.]; Ed. V.A. Kuzmin. - 2nd ed., revised. - St. Petersburg. : Publishing house "Lan", 2017. - 432 p. 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., revised. - St. Petersburg: Lan, 2021. - 248 p. <https://e.lanbook.com/book/156931>
9. Epizootology with microbiology: a textbook for universities / A. S. Aliev, Yu. Yu. Danko, I. D. Yeshchenko [and others]; Edited by V. A. Kuzmin, A. V. Svyatkovsky. - 6th, revised. - St. Petersburg: Lan, 2021. - 432 p. <https://e.lanbook.com/book/162384>
10. Skubko, O. R. Morphofunctional features and diseases of animal bones: textbook / O. R. Skubko, O. N. Shushakova. - Omsk: Omsk State Agrarian University, 2020. - 52 p. <https://e.lanbook.com/book/136157>
11. Operative surgery in animals: a textbook for universities / B. S. Semenov, V. N. 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 textbook / O. R. Skubko, G. A. Khonin, O. N. Shushakova. - Omsk: Omsk State Agrarian University, 2019. - 65 p. <https://e.lanbook.com/book/126630>
13. Latypov D.G. Protozoan animal diseases that are dangerous to humans (protozoan zoonoses): a textbook / D.G. Latypov, R.R. Timerbaeva, E.G. Kirillov. - St. Petersburg. : Publishing house "Lan", 2017. - 208 p. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=464930&idb=0
14. Latypov D.G. Animal helminthiases dangerous to humans: textbook / D.G. Latypov. - 3rd ed., revised. - St. Petersburg. : Publishing house "Lan", 2017. - 440 p. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=464941&idb=0
15. Latypov, D. G. Parasitology and invasion animal diseases: a textbook for sports / D. G. Latypov, R. R. Timerbaeva, E. G. Kirillov. - 2nd ed., revised. - St. Petersburg: Lan, 2021. - 520 p. <https://e.lanbook.com/book/159517>
16. Yatusevich, A. I. Parasitology and invasive animal diseases: textbook / A. I. Yatusevich, N. F. Karasev, S. I. Stasyukevich. - Minsk: RIPO, 2020. - 266 p. <https://e.lanbook.com/book/154220>
17. Nikitin, I. N. Workshop on the organization of veterinary business: textbook / I. N. Nikitin. - 4th ed., Rev. and additional - St. Petersburg: Lan, 2020. - 324 p. <https://e.lanbook.com/book/131031>
18. Nikitin, I. N. Legal support of veterinary activities: a textbook for sports / I. N. Nikitin. - 2nd ed., revised. - 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 business: textbook 2020.-91s

20. Nikitin, I. N. Veterinary clinic: textbook for universities / I. N. Nikitin, V. V. Ivanov, E. N. Trofimova. - 2nd, revised. - St. Petersburg: Lan, 2021. - 184 p. <https://e.lanbook.com/book/162385>

Additional reading for preparation for the SE and / or performance and protection FQW:

1. Polyantsev, N. I. Workshop on obstetrics, gynecology and biotechnology of animal reproduction: textbook / N. I. 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: textbook / G. P. Dyulger, V. V. Khrantsov, Yu. G. Sibileva, Zh. O. Kemeshev. - St. Petersburg: Lan, 2016. - 272 p. <https://e.lanbook.com/book/75510>

3. Biotechnology of the reproduction of farm animals and birds: textbook / compiled by E. I. Shurmanova [and others]. - Yekaterinburg: UrGAU, 2020. - 212 p. <https://e.lanbook.com/book/155046>

4. Kiseleva, E. V. Obstetrics and biotechnology of animal reproduction: teaching aid / E. V. Kiseleva. - Ryazan: RGATU, 2019. - 79 p. <https://e.lanbook.com/book/137436>

5. Fundamentals of veterinary medicine and biotechnics of animal reproduction, Non-communicable diseases of animals: textbook / 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 textbook / A. M. Gertman, T. S. Samsonova. — 2nd ed., corrected. - St. Petersburg: Lan, 2016. - 388 p. <https://e.lanbook.com/book/79324>

7. Examination of northern fish species. Quality and safety: a textbook for universities / A. A. Gnedov, O. A. Ryazanova, E. B. Tabala, V. M. Poznyakovskiy; under the general editorship of V. M. Poznyakovskiy. - 2nd ed., revised. - St. Petersburg: Lan, 2021. - 436 p. <https://e.lanbook.com/book/155667>

8. Internal non-communicable diseases: textbook: 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 animal diseases by aerosols of chemical and biological preparations: monograph / A.T. Kushnir, I.A. Bureev, Yu.O. Selyaninov [i dr.]. - St. Petersburg. : Publishing house "Lan", 2016. - 192 p. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=465095&idb=0

10. Infectious diseases common to many animal species: a teaching aid / V. K. Tikhonov, G. P. Tikhonova, O. Yu. Petrova, N. G. Ivanov. - Cheboksary: ChGSHA, 2018. - 557 p. <https://e.lanbook.com/book/141997>

11. Zubareva, I. M. Aspects of general epizootology of invasive diseases: textbook / I. M. Zubareva, V. I. Vasilevich, A. S. 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-communicable animal diseases: textbook / 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: textbook / L. V. Medvedeva, N. A. Malygina. - Barnaul: AGAU, 2018. - 157 p. <https://e.lanbook.com/book/137643>
15. Avdeenko, V. S. Veterinary andrology: textbook / V. S. Avdeenko, S. V. Fedotov. - St. Petersburg: Lan, 2019. - 308 p. <https://e.lanbook.com/book/115500>
16. Turitsyna, E. G. Anatomy of animals. Visceral systems of the body: splanchnology: textbook / E. G. Turitsyna. - Krasnoyarsk: KrasGAU, 2018. - 183 p. <https://e.lanbook.com/book/130131>
17. Parasitology and invasive animal diseases: a textbook for universities: in 2 volumes / D. G. Latypov, A. Kh. Volkov, R. R. Timerbaeva, E. G. Kirillov. - St. Petersburg: Lan, [b. G.]. - Volume 1 - 2021. - 548 p. <https://e.lanbook.com/book/159484>
18. Parasitology and invasive animal diseases: a 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: textbook / M. Kh. Lutfullin, D. G. Latypov, M. D. Kornishina. - 2nd ed., revised. - St. Petersburg: Lan, 2018. - 304 p. <https://e.lanbook.com/book/102228>
20. Klimova, E. S. Cestodology: laboratory workshop: textbook / 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 business: textbook / N. A. Kudacheva. - Samara: SamGAU, 2019. - 131 p. <https://e.lanbook.com/book/123535>
22. History of veterinary science: textbook / compiled by N. A. Minenkov. - Kursk : Kursk State Agricultural Academy, 2020. - 101 p. <https://e.lanbook.com/book/134832>
23. Organization of veterinary business: textbook. - Stavropol: SPGU, 2019. - 300 p. <https://e.lanbook.com/book/142440>
24. Nikitin I.N. Organization and economics of veterinary business: textbook / I.N. Nikitin. - 6th ed., revised. and additional - St. Petersburg. : Publishing house "Lan", 2014. - 368 p. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=465183&idb=0

Internet-(based) sources

1. Electronic libraries with access for RUDN students:

- RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>
- ELS "University Library Online" <http://www.biblioclub.ru>
- EBS Yurayt <http://www.biblio-online.ru>
- ELS "Student Consultant" www.studentlibrary.ru
- EBS "Lan" <http://e.lanbook.com/>
- EBS "Trinity Bridge"
-

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation <http://docs.cntd.ru/>
 - Yandex search engine <https://www.yandex.ru/>
 - Google search engine <https://www.google.ru/>
- Electronic version of the document
- abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

*Learning toolkits for preparation for passing the SE and / or performing the FQW and preparing the work for the defense in the RUDN LMS TUIS *:*

1. Guidelines for the implementation and execution of the FQW on the Higher Education Program "36.05.01 Veterinary".
2. The procedure for checking the FQW for the amount of borrowing in the Anti-Plagiarism system.
3. The procedure for conducting FSC according to the Higher Education Program "36.05.01 Veterinary". using DLT, incl. graduate identification procedure.

* - all educational and methodological materials for independent work of students are placed in accordance with the current procedure on the FSC page in TUIS!

8. ASSESSMENT AND EVALUATION TOOLKIT AND SCORE-RATING ASSESSMENT SYSTEM OF THE LEVEL OF FORMATION COMPETENCES OF GRADUATES

Evaluation materials and a score-rating system* for assessing the level of competence formation based on the results of mastering the discipline of the Higher Education Program "36.05.01 Veterinary". presented in the Appendix to this FSC program.

* - AT and SRS are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

HEAD OF THE GRADUATE DEPARTMENT:

Department of Veterinary Medicine

Educational Department

Signature

Vatnikov Yu.A.

Name

HEAD OF THE HIGHER EDUCATION PROGRAM:

Professor of the Department of Veterinary Medicine

Position, Educational Department

Signature

Vatnikov Yu.A.

Name