Federal State Autonomous Educational Institution of Higher Education
Peoples' Friendship University of Russia named after Patrice Lumumba
RUDN University

Agrarian and Technological Institute
educational division (faculty/institute/academy) as higher education programme developer

INTERNSHIP SYLLABUS

Clinical Internship
internship title

Industrial Practice
internship type

Recommended by the Didactic Council for the Education Field of:

36.05.01. Veterinary
field of studies / speciality code and title

The student's internship is implemented within the professional education programme of higher education:

Veterinary
higher education programme profile/specialisation title

1. INTERNSHIP GOAL(s)

The goal of the Internship "Clinical Internship" is to acquire the skills of mastering the natural sciences useful and useful, taste in professional activities and deepening the level of theoretical and practical qualifications to perform professional tasks in accordance with the existing qualifications.

2. REQUIREMENTS FOR LEARNING OUTCOMES

The internship implementation is aimed at developing students' competencies (parts of competencies):

Table 2.1. List of competences that students acquire during the internship

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-1	Ability to determine the biological status and normative clinical indicators of organs and systems of the animal organism.	GPC-1.1. Knows the structure and functions of the main body systems of animals taking into account species-specific features; GPC-1.2. Is able to predict expected disturbances of biological status when the development of diseases is suspected; GPC-1.3. Is able to determine the main indicators of the functioning of individual body systems and draw conclusions about deviations from normative values; GPC-1.4. Possesses skills in sampling biological fluids and tissues for research, conducting laboratory tests and interpreting research results.
GPC-2	Ability to interpret and assess the influence of natural, socio-economic, genetic and economic factors on the physiological state of animals in professional activities.	GPC-2.1. Possesses knowledge about the influence of natural, socio-economic, genetic and economic factors on the animal organism; GPC-2.2. Is able to establish the presence and reliability of cause-and-effect relationships between the impact of individual etiological factors on the animal organism and the development of diseases; GPC-2.3. Possesses methods of preventive and therapeutic correction of adverse environmental factors that may cause deterioration of animal health.
GPC-3	Ability to carry out and improve professional activities in accordance with regulatory legal acts in the field of the agro-industrial complex.	GPC-3.1. Knows modern legal regulations, both national and international, governing activities in veterinary medicine,

		veterinary and sanitary expertise and the agro-industrial complex; GPC-3.2. Possesses skills in updating legal information, including in the agro-industrial complex; GPC-3.3. Carries out activities in accordance with regulatory legal acts in the agro-industrial complex, as well as in the field of veterinary medicine and veterinary and sanitary expertise.
GPC-4	Ability to use methods for solving professional tasks with modern equipment when developing new technologies and to apply modern professional methodology for conducting experimental research and interpreting its results.	GPC-4.1. Possesses the conceptual and methodological apparatus of basic natural sciences sufficient for professional activity at a modern level; GPC-4.2. Possesses methods for solving tasks using modern equipment; GPC-4.3. Is ready to apply modern methodology in the development and implementation of experimental research; GPC-4.4. Uses modern professional methodology in the interpretation of research results.
GPC-5	Ability to prepare professional documentation, analyze the results of professional activity and present reporting documents using specialized databases.	GPC-5.1. Possesses skills for searching necessary documentation forms on official websites and in specialized databases; GPC-5.2. Possesses professional terminology and skills in preparing analytical and reporting documentation of a professional nature; GPC-5.3. Is able to use specialized software for analyzing the results of professional activity and preparing reporting documentation.
GPC-6	Ability to analyze, identify and assess the risk of occurrence and spread of diseases.	GPC-6.1. Possesses knowledge in the field of etiology and pathogenesis of diseases in animals of different species; GPC-6.2. Knows the patterns of occurrence and spread of diseases in animal populations, predisposing factors and causes of possible complications; GPC-6.3. Assesses risks of the influence of human economic activity on the spread of animal and human diseases.
GPC-7	Ability to understand the principles of operation of	GPC-7.1. Understands the principles of operation of

	modern information technologies and use them to solve professional tasks.	modern computer equipment and telecommunications tools and is able to use them to solve professional tasks; GPC-7.2. Uses modern specialized software and databases to solve professional tasks and perform professional duties; GPC-7.3. Possesses skills in operating modern medical diagnostic and therapeutic equipment with software support; GPC-7.4. Uses specialized databases for solving professional tasks in the field of diagnosis and treatment of animals of different species; GPC-7.5. Uses geographic information systems and software tools when collecting and analyzing information related to the spread of infectious diseases, epizootic situations and planning and evaluating anti-epizootic measures.
PC-1	Ability to collect the life and medical history of an animal for further diagnosis and planning of therapeutic and preventive measures.	PC-1.1. Collects information on the animal's life history, including scheduled vaccinations, deworming and other preventive treatments. PC-1.2. Collects information on previous diseases, surgical interventions, existing chronic diseases and ongoing therapy. PC-1.3. Collects information on changes in the animal's condition during the course of disease, diagnostic and therapeutic procedures performed, medications used and physiotherapy methods.
PC-2	Ability to perform a complete primary clinical examination of an animal to establish a preliminary clinical diagnosis and repeated examinations to monitor the patient's condition.	PC-2.1. Complies with the techniques and procedures of clinical examination taking into account the animal species and its condition. PC-2.2. Identifies signs (symptoms) of deviations from normal function and recognizes standard combinations of signs (syndromes). PC-2.3. Records examination results in the patient's medical record or other medical documentation. PC-2.4. Assesses the initial

		degree of clinical symptom manifestation and its changes during patient supervision.
PC-3	Ability to plan differential diagnostic procedures for diseases in a patient.	PC-3.1. Systematizes information on symptoms/syndromes of the disease and forms a list of preliminary diagnoses for confirmation or exclusion. PC-3.2. Uses ready-made or develops a specific differential diagnostic algorithm considering the capabilities of the medical institution. PC-3.3. Uses diagnostic results to establish a final diagnosis and adjust previously established diagnoses if necessary.
PC-4	Ability to perform necessary laboratory diagnostics within preventive or diagnostic procedures.	PC-4.1. Knows modern laboratory diagnostic methods, their purpose, pre-analytical features and interpretation of results. PC-4.2. Selects the necessary type of laboratory diagnostics based on knowledge of basic biological disciplines. PC-4.3. Performs laboratory tests using modern diagnostic equipment. PC-4.4. Interprets diagnostic results and applies them to solve professional tasks.
PC-5	Ability and readiness to plan and perform necessary instrumental diagnostic procedures.	PC-5.1. Possesses knowledge of modern instrumental diagnostic methods, their application, indications, possible complications and contraindications. PC-5.2. Selects an appropriate and sufficient set of instrumental diagnostic methods for solving professional tasks. PC-5.3. Performs instrumental diagnostics of animal diseases. PC-5.4. Interprets diagnostic results and applies them to professional tasks.
PC-6	Ability to establish a diagnosis and prognosis of disease development and spread based on clinical, laboratory and instrumental diagnostic data.	PC-6.1. Possesses knowledge of manifestations of infectious, parasitic, internal non-infectious, surgical, gynecological and other animal diseases. PC-6.2. Uses methods for establishing a comprehensive diagnosis based on medical history, clinical examination and diagnostic studies.

		PC-6.3. Applies methods for predicting the course and outcome of treatment considering accompanying diagnoses and complicating factors. PC-6.4. Assesses risks of disease spread.
PC-7	Ability to select or develop a treatment plan for a patient based on the established diagnosis.	PC-7.1. Selects necessary veterinary medicinal products according to evidence-based medicine principles and pharmacological effects. PC-7.2. Determines optimal route of administration, dosage, frequency and duration of treatment. PC-7.3. Selects non-drug treatment methods, including physiotherapy. PC-7.4. Develops a treatment plan and criteria for monitoring treatment effectiveness.
PC-8	Ability to coordinate the treatment plan with the animal owner and other participants in the treatment process and adjust it if necessary.	PC-8.1. Explains the selected treatment plan to the animal owner and obtains consent for treatment. PC-8.2. Communicates with the owner regarding changes in the patient's condition and treatment outcomes. PC-8.3. Explains treatment adjustments to the owner and medical personnel when changes occur.
PC-9	Ability to apply surgical methods in the prevention, diagnosis and treatment of animal diseases.	PC-9.1. Selects the necessary surgical method, including anesthesia methods if required. PC-9.2. Plans preoperative preparation, surgical procedure and postoperative management. PC-9.3. Performs basic preventive, diagnostic and therapeutic surgical procedures independently. PC-9.4. Monitors surgical outcomes.
PC-10	Ability to analyze and adjust animal feeding to improve treatment effectiveness and prescribe therapeutic diets.	PC-10.1. Analyzes the animal's diet to identify factors contributing to disease development. PC-10.2. Justifies the use of therapeutic feeding for different diseases. PC-10.3. Recommends composition of therapeutic diets and nutrient balance. PC-10.4. Uses specialized

		software and databases for diet formulation.
PC-11	Ability to develop annual anti-epizootic, preventive and veterinary-sanitary plans.	PC-11.1. Conducts epizootological assessment of enterprises or territories. PC-11.2. Develops annual anti-epizootic and preventive programs. PC-11.3. Develops vaccination plans considering epizootic conditions. PC-11.4. Organizes preventive treatments according to epizootic control plans. PC-11.5. Evaluates the effectiveness of preventive measures.
PC-12	Ability to organize and conduct veterinary health monitoring (dispensary observation) of animals.	PC-12.1. Develops a veterinary health monitoring plan. PC-12.2. Organizes and conducts veterinary health monitoring procedures. PC-12.3. Provides recommendations for preventive and therapeutic measures.
PC-13	Ability to conduct post-mortem diagnostic examination of animals.	PC-13.1. Conducts external examination of animal carcasses before necropsy. PC-13.2. Performs necropsy using appropriate instruments and safety procedures. PC-13.3. Establishes the cause of death and pathological diagnosis. PC-13.4. Documents necropsy results in a post-mortem examination report.
PC-14	Readiness to promote veterinary knowledge, including prevention of animal diseases.	PC-14.1. Analyzes problems affecting animal health and welfare and defines educational goals. PC-14.2. Uses computer and telecommunication technologies for educational materials. PC-14.3. Conducts lectures, seminars and educational discussions.

3. INTERNSHIP IN HIGHER EDUCATION PROGRAMME STRUCTURE

The internship refers to the corecomponent of (B2) block of the higher educational programme curriculum.

The core component includes all introductory field internships, the variable component includes all advanced field internships, except for research and pre-graduate types of the internship. The elective module includes all research and pre-graduation types of the internship (if any).

Within the higher education programme students also master other disciplines (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the internship.

Table 3.1. The list of the higher education programme components that contribute to the achievement of the expected learning outcomes as the internship results.

Competence code	Competence descriptor	Previous disciplines/modules, practices	Subsequent courses/modules, internships*
GPC-1	Ability to determine the biological status and normative clinical indicators of organs and systems of the animal organism.	Educational Practice; Anatomy of Animals; Physiology and Ethology of Animals; Pathologic Physiology; Clinical Diagnostics; Laboratory Diagnostics with Elements of Artificial Intelligence Technology; Veterinary Assistant Skills**; Operative Surgery with Topographic Anatomy;	
GPC-2	Ability to interpret and assess the influence of natural, socio-economic, genetic and economic factors on the physiological state of animals in professional activities.	Biology with Basic Ecology; Animal Breeding with Basics of Private Husbandry; Animal Health and Welfare; Animal Nutrition and Feeding with Basics of Feed Production; Animal Health and Welfare**; Educational Practice; Veterinary Genetics; Agroecology;	
GPC-3	Ability to carry out and improve professional activities in accordance with regulatory legal acts in the field of the agro-industrial complex.	Educational Practice; Law Science; Organization of Veterinary Management with the Basics of Project Activities;	
GPC-4	Ability to use methods for solving professional tasks with modern equipment when developing new technologies and to apply modern professional	Inorganic and Analytical Chemistry; Organic Chemistry; Biophysics; Physical and	

	methodology for conducting experimental research and interpreting its results.	Colloidal Chemistry; Biological Chemistry; Maths; Immunology; Educational Practice; Biology with Basic Ecology; Small Animal Diseases;	
GPC-5	Ability to prepare professional documentation, analyze the results of professional activity and present reporting documents using specialized databases.	Organization of Veterinary Management with the Basics of Project Activities; Latin Language; Biometrics, Biostatistics and Data Analysis in Veterinary Medicine;	
GPC-6	Ability to analyze, identify and assess the risk of occurrence and spread of diseases.	Animal Health and Welfare; Pathologic Physiology; Epidemiology and Infectious Diseases; Animal Health and Welfare**; Veterinary Genetics; Veterinary and Sanitary Expertise; Technology of Animal Products Processing;	
GPC-7	Ability to understand the principles of operation of modern information technologies and use them to solve professional tasks.	Educational Practice; Digital Literacy; Organization of Veterinary Management with the Basics of Project Activities; Biometrics, Biostatistics and Data Analysis in Veterinary Medicine; Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology;	
PC-1	Ability to collect the life and medical history of an animal for further diagnosis and planning of therapeutic and preventive measures.	Educational Practice; Clinical Diagnostics; Equine Diseases**; Diseases of Farm Animals**; Small Animal Diseases**; Bee Diseases and	

		Entomophages**; Exotic Animal Diseases**; Fish Pathology and Aquaculture**;	
PC-2	Ability to perform a complete primary clinical examination of an animal to establish a preliminary clinical diagnosis and repeated examinations to monitor the patient's condition.	Equine Diseases**; Diseases of Farm Animals**; Small Animal Diseases**; Bee Diseases and Entomophages**; Exotic Animal Diseases**; Educational Practice; Fish Pathology and Aquaculture**; Clinical Diagnostics;	
PC-3	Ability to plan differential diagnostic procedures for diseases in a patient.	Obstetrics, Gynecology and Andrology; Internal Diseases; General Surgery; Private Surgery; Parasitology and Invasive Diseases; Anesthesiology, Resuscitation and Intensive Therapy**; Dermatology**; Cardiology**; Endocrinology**; Nephrology**; Reconstructive Surgery**; Veterinary Ophthalmology**; Animal Dentistry**; Oncology**; Neurology**; Behavioral Medicine**;	
PC-4	Ability to perform necessary laboratory diagnostics within preventive or diagnostic procedures.	Laboratory Diagnostics with Elements of Artificial Intelligence Technology; Cytology, Histology and Embryology;	
PC-5	Ability and readiness to plan and perform necessary instrumental diagnostic procedures.	Nephrology**; Reconstructive Surgery**; Veterinary Ophthalmology**; Animal Dentistry**; Oncology**; Neurology**;	

		Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology; Dermatology**; Cardiology**; Endocrinology**; Veterinary Assistant Skills**; Anatomy of Animals;	
PC-6	Ability to establish a diagnosis and prognosis of disease development and spread based on clinical, laboratory and instrumental diagnostic data.	Pathological Anatomy; Obstetrics, Gynecology and Andrology; Internal Diseases; General Surgery; Private Surgery; Parasitology and Invasive Diseases; Epidemiology and Infectious Diseases;	
PC-7	Ability to select or develop a treatment plan for a patient based on the established diagnosis.	Oncology**; Neurology**; Anesthesiology, Resuscitation and Intensive Therapy**; Behavioral Medicine**; Dermatology**; Cardiology**; Endocrinology**; Nephrology**; Veterinary Pharmacology; Toxicology;	
PC-8	Ability to coordinate the treatment plan with the animal owner and other participants in the treatment process and adjust it if necessary.	Veterinary Deontology; Behavioral Medicine**;	
PC-9	Ability to apply surgical methods in the prevention, diagnosis and treatment of animal diseases.	Operative Surgery with Topographic Anatomy; Reconstructive Surgery**; Veterinary Ophthalmology**; Animal Dentistry**; Veterinary Assistant Skills**; Anesthesiology, Resuscitation and Intensive Therapy**;	

PC-10	Ability to analyze and adjust animal feeding to improve treatment effectiveness and prescribe therapeutic diets.	Animal Nutrition and Feeding with Basics of Feed Production; Medicinal and Poisonous Plants**; Fodder Plants**; Equine Diseases**; Diseases of Farm Animals**; Bee Diseases and Entomophages**; Exotic Animal Diseases**; Fish Pathology and Aquaculture**; Small Animal Diseases**;	
PC-11	Ability to develop annual anti-epizootic, preventive and veterinary-sanitary plans.	Epidemiology and Infectious Diseases; Veterinary Sanitation; Organization of State Veterinary Supervision;	
PC-12	Ability to organize and conduct veterinary health monitoring (dispensary observation) of animals.	Obstetrics, Gynecology and Andrology; Internal Diseases; Private Surgery; Parasitology and Invasive Diseases;	
PC-13	Ability to conduct post-mortem diagnostic examination of animals.	General Surgery; Forensic Veterinary Examination and Necropsy;	
PC-14	Readiness to promote veterinary knowledge, including prevention of animal diseases.	Pathological Anatomy; Zoopsychology**; Animal Health and Welfare; Animal Health and Welfare**;	

4. INTERNSHIP WORKLOAD

The total workload of " Clinical Internship" is 12 credits (432 academic hours).

5. INTERNSHIP CONTENTS

*Table 5.1. Internship contents**

Modules	Contents (topics, types of practical activities)	Workload, academic hours
Module 1. Clinical Internship practice	Participation in the clinical reception and treatment of animals, surgical operations, mass research, etc.	194
	Participation in laboratory, visual, pathoanatomical diagnostics of animal diseases	194

	Filling out a practice diary	26
Writing an internship report		9
Preparing for defence and defending the internship report		9
	TOTAL:	432

* The contents of internship through modules and types of practical activities shall be FULLY reflected in the student's internship report.

6. INTERNSHIP EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

The infrastructure and technical support necessary for the internship implementation include: laboratories/ specially equipped classrooms/ polygons/ measuring and computing complexes/ vehicles/ industrial equipment and devices/ household premises that comply with current sanitary and fire safety standards.

The SAFETY REQUIREMENTS at the enterprise, workplace (including the department of RUDN University) and during the work with certain production/laboratory equipment incorporate/ include the following:

- Equipped workplaces based on practice;
- Equipment:

  - Means of immobilization and fixation of animals (looms, boosters, collars, yawners, etc.)

  - Clinical diagnostic tools (stethoscopes, percussion hammers and plessimeters, electric flashlights, etc.)

  - Equipment for visual diagnostics (ultrasound scanners, x-ray machines, arthroscopes, endoscopes, CT and MRI machines, etc.)

  - Laboratory equipment (microscopes, centrifuges, analyzers, etc.)

  - Anesthesia equipment

  - Surgical equipment, etc.

7. INTERNSHIP LOCATION AND TIMELINE

The internship can be carried out at the structural divisions of RUDN University (at Moscow-based organisations, as well as those located outside Moscow.

The internship at an external organisation (outside RUDN University) is legally arranged on the grounds of an appropriate agreement, which specifies the terms, place and conditions for an internship implementation at the organisation.

The period of the internship, as a rule, corresponds to the period indicated in the training calendar of the higher education programme. However, the period of the internship can be rescheduled upon the agreement with the Department of Educational Policy and the Department for the Organization of Internship and Employment of RUDN students.

8. RESOURCES RECOMMENDED FOR INTERNSHIP

Main reading:

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., erased. - St. Petersburg: Lan, 2020. - 548 p. https://eJanbook.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://eJanbook.com/book/113386

3. Baymishev, Kh. B. Gynecology and andrology: guidelines / Kh. B. Baymishev. - Samara : SamGAU, 2018. - 106 p. https://eJanbook.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., erased. - St. Petersburg: Lan, 2020. - 544 p. https://eJanbook.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://eJanbook.com/book/158657

6. Dyulger, G. P. Fundamentals of veterinary science: a textbook for universities / G. P. Dyulger, G. P. Tabakov. - 3rd ed., erased. - St. Petersburg: Lan, 2020. - 476

p. https://eJanbook.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., erased. - 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., erased. - St. Petersburg: Lan, 2021. - 248 p. https://eJanbook.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, erased. - St. Petersburg: Lan, 2021. - 432 p. https://eJanbook.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://eJanbook.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://eJanbook.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: a 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., erased. - St. Petersburg: Lan, 2021. - 520 p. https://eJanbook.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://eJanbook.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://eJanbook.com/book/131031

18. Nikitin, I. N. Legal support of veterinary activities: a textbook for sports / I. N. Nikitin. - 2nd ed., erased. - St. Petersburg: Lan, 2021. - 212 p. https://eJanbook.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, erased. - St. Petersburg: Lan, 2021. - 184 p. https://eJanbook.com/book/162385

Additional reading:

1. 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., erased. - St. Petersburg: Lan, 2020. - 548 p. https://e.lanbook.com/book/129090
2. 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. 3. Baymishev, Kh. B. Gynecology and andrology: guidelines / Kh. B. Baymishev. - Samara : SamGAU, 2018. - 106 p. https://e.lanbook.com/book/109422
4. 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., erased. - St. Petersburg: Lan, 2020. - 544 p. https://e.lanbook.com/book/139263
5. 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. 6. Dyulger, G. P. Fundamentals of veterinary science: 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. 7. Epizootology with microbiology: textbook / A.S. Aliev, Yu.Yu. Danko, I.D. Yeshchenko [i dr.]; Ed. V.A. Kuzmin. - 2nd ed., erased. - St. Petersburg: Publishing house "Lan", 2017. - 432 p. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=465028&idb=0
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18.18. Nikitin, I. N. Legal support of veterinary activities: a textbook for sports / I. N. Nikitin. - 2nd ed., erased. - St. Petersburg: Lan, 2021. - 212 p. https://e.lanbook.com/book/155692
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20.20. Nikitin, I. N. Veterinary clinic: textbook for universities / I. N. Nikitin, V. V. Ivanov, E. N. Trofimova. - 2nd, erased. - St. Petersburg: Lan, 2021. - 184 p. https://eJanbook.com/book/162385

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://eJanbook.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/

The training toolkit and guidelines for a student to do an internship, keep an internship diary and write an internship report:*

1. Safety regulations to do the internship (safety awareness briefing).
2. Machinery and principles of operation of technological production equipment used by students during their internship; process flow charts, regulations, etc. (if necessary).
3. Guidelines for keeping an internship diary and writing an internship report.

*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 INTERNSHIP RESULTS

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