Federal State Budgetary Educational Establishment of Higher Education

“Kazan State Academy of Veterinary Medicine named after N.E. Bauman”

Faculty of Veterinary Medicine

Self-Evaluation Report

The Report was approved by the Academy Council (29th January 2018)

EAEVE Visitation Kazan,

2018

A brief history of Educational Establishment

The Kazan Veterinary Institute was the 4th veterinary establishment opened on the territory of Imperial Russia, and the 36th in the world. It was created due to the development of economic and social relations in the country, the growth of different branches of science including veterinary .

The first Director of the Institute was Peter Zeifman. The formation of Kazan Institute as the Higher Veterinary Educational Establishment is closely associated with his name.
There was a big flow of desirous to learn. About 462 persons were enrolled to the institute in the period of 1918 and 1919.

The Kazan Veterinary Institute was the first among the veterinary establishments received the right to award scientific Degrees of Candidates and Doctors of veterinary, biological and agricultural sciences. In the year of 1926 the Institute of post graduate study was approved.

Implementation of the goals of the Kazan Veterinary Institute was ruled by talented scientists and experienced organizers of veterinary education and science.

The 100 Anniversary of the Kazan Institute was widely celebrated by general public and veterinary society on May30, 1973 .With the Edict of the Supreme Board of Presidium of the USSR, the Institute was awarded with the Lenin Medal. In 1995 the Institute was transformed into the Kazan State Academy of Veterinary Medicine named after N.E. Bauman (hereinafter the Academy).

Science 2016 Professor R.Kh. Ravilov has been elected as the Rector of the Academy.

The Academy has trained more than 30 thousands of veterinarians, zooengineers, technologists, engineers, galaxy of scholars and professors who have made and continue making a significant contribution to agriculture area.

Currently, more than 2000 students from various regions and republics of the Russian Federation, the Commonwealth Independent Countries (CIC) and far-abroad countries (Viet Nam, Israel, Congo, Nigeria, Macedonia, Afghanistan, Chad, the Democratic Republic of the Congo, Cameroon Senegal, Liberia, Kenya, Benin, Kingdom Of Morocco, Tunisia, Kazakhstan, Belarus, Azerbaijan, Tajikistan, Turkmenistan, Uzbekistan, Kyrgyzstan) are being trained in the Academy. The Academy maintains liaison with veterinary and agricultural high schools, scientific institutions in many regions of the Russian Federation, the CIS, Germany, Israel, the Republic of Burundi, Turkey, Bulgaria, Denmark and other countries.

According to the results of fundamental and applied researchers, the scientists of the Academy have written over 400 books, monographs and textbooks in the core disciplines of veterinary and animal science, some of which have been translated into

other languages and have developed more than 30 thousands kinds of drugs, vaccines, diagnostics and innovative technologies which are implemented nowadays.

The main features of the Establishment

The Academy is proud of the creation of 18 scientific schools which have been conducting basic and applied researches. Qualifications of the teaching staff are very high and 89,4 % of it has scientific Degrees. Books published by teaching staff are used for training in many educational establishments of the Russian Federation.

Preparing veterinary specialists, the Academy focuses on the needs and demands of employers.

The Academy provides agricultural consulting as a form of educational service that enables agricultural experts to eke out their knowledge gaps.

The strength of the University is accepting highly motivated students with good academic base.

The main problems the Establishment faces

The Academy is experiencing a lack of funding to upgrade the material and technical base, to implement new clinical buildings and laboratories and also a limited amount of funding sources for scientific schools of the Academy.

It is worth noting the insufficient level of integration of faculty with major domestic and foreign scientific and educational centers.

1. Objectives and Organisation

1.1. Factual information

1.1.1. Details of the Establishment, i.e. official name, address, phone number, Email and website addresses, Establishment's Head, name and degrees of the person(s) responsible for the professional, ethical, and academic affairs of the VTH, official authority overseeing the Establishment

Form of incorporation	State Educational Establishment
Date of foundation:	1873
Current State Accreditation Status: Type:	High Educational Establishment Academy
Rector:	RustamKh. Ravilov Doctor of Veterinary Science, Professor
Official name	Federal State Budgetary Educational Establishment of Higher Education «Kazan State Academy of Veterinary Medicine named after N.E. Bauman" (FBEU HE Kazan SAVM)
Charter	The baseline document, defining the work of the Establishment with the legal registration. Certificate of State Registration Range16 № 007257560 from 18.0.2015 issued by Interdistrict Inspectorate of Federal Revenue Service №6 (Republic of Tatarstan)
Address Tel./Fax Website email	420029 Sibirskyi Tact St.35 Kazan Republic of Tatarstan +7 (843) 273 97 14 казветакадемия.рф study@ksavm.senet.ru

1.1.2. Summary of the Establishment Strategic Plan with an updated SWOT analysis *(Strengths, Weaknesses, Opportunities and Threats)*, the mission and the objectives

The purpose of the strategic plan is the sustainable development of the Academy, as a leading Establishment in veterinary and agriculture industry, facilitating to effective scientific and innovation training demanded by modern society.

The main aspects of the strategic plan are:

- modernization of the education and scientific research content through the collaboration with European countries in terms of veterinary medicine, animals welfare and biotechnologies;
-integration into the world educational system by introducing a modular block structure of educational process;
-creating conditions for improving professional qualification of professors and perspective students at leading Universities of Russia and Europe;
-implementation of distance learning in educational process;
- broadening the base of electronic textbooks, educational films, educational models and Visual AIDS;
-increasing income from extra budgetary activities and rising the rate of autonomy in financial activities;
-improving the facilities and equipment, which should be adequate to the number of students for getting the qualified education;
-increasing the research activities;
-setting up a mutually beneficial relationship in the field of veterinary education with international Universities;
-improving the welfare of both staff and students;
-to become a full member of the EAEVE.

The mission of the Academy is to prepare modern competitive professionals to carry out professional veterinary activities.

SWOT Analysis

Strengths	***Weaknesses***
1. Long and rich historical tradition. 2. The urban location of the Faculty which favors consultation of pets 3. Fine geographical location and transport infrastructure 4. High percentage of staff with scientific Degree (Dr.of Science and Candidate of Science) 5. High percentage of teachers with veterinary qualifications 6. Students involvement in extracurricular activities as local and international congresses, academic contests and cultural activities 7. Location of the main building, dormitory, staff accommodation on the territory of one campus.	1. Insufficient budget 2. Insufficient level of autonomy in financial items. 3. Shortage of animals and teaching materials of animal origin for veterinary training. 4. Absence of a training farm.

Opportunities	***Threats***
1. Leadership in veterinary education in Russia 2.Integration in European Educational 3. Implementation of modern specific services in VTH development and improvement of e-learning. 4.Improvement of continuing training of academic staff 5.Monitoring graduates employability and organizing the graduates alumni of the Academy 6. Further development of academic mobility both of the staff and students.	1.Aging of the academic staff 2.Dependency on the funds distributed from the Ministry of Education. 3.Deterioration and lack of equipment

1.1.3. Summary of the Establishment Operating Plan with timeframe and indicators of achievement of its objectives

In the period from 2018 to 2020 the Academy the main target of the strategic plan is to provide the high quality level of update veterinary education in concordance with demands of individuality, society and the State.

The solution of the designated goal may be carried out due to the following:

-formation of mechanisms of extra budgetary resources for development of scientific research and improvement of educational process;

-increasing the social status and professionalism of scientific and pedagogical employees of the Academy;

-expansion and development of functions of the Academy as the regional complex educational center solving a large framework of problems of pre-university, University, and postgraduate training;

-improvement of continuing education system;

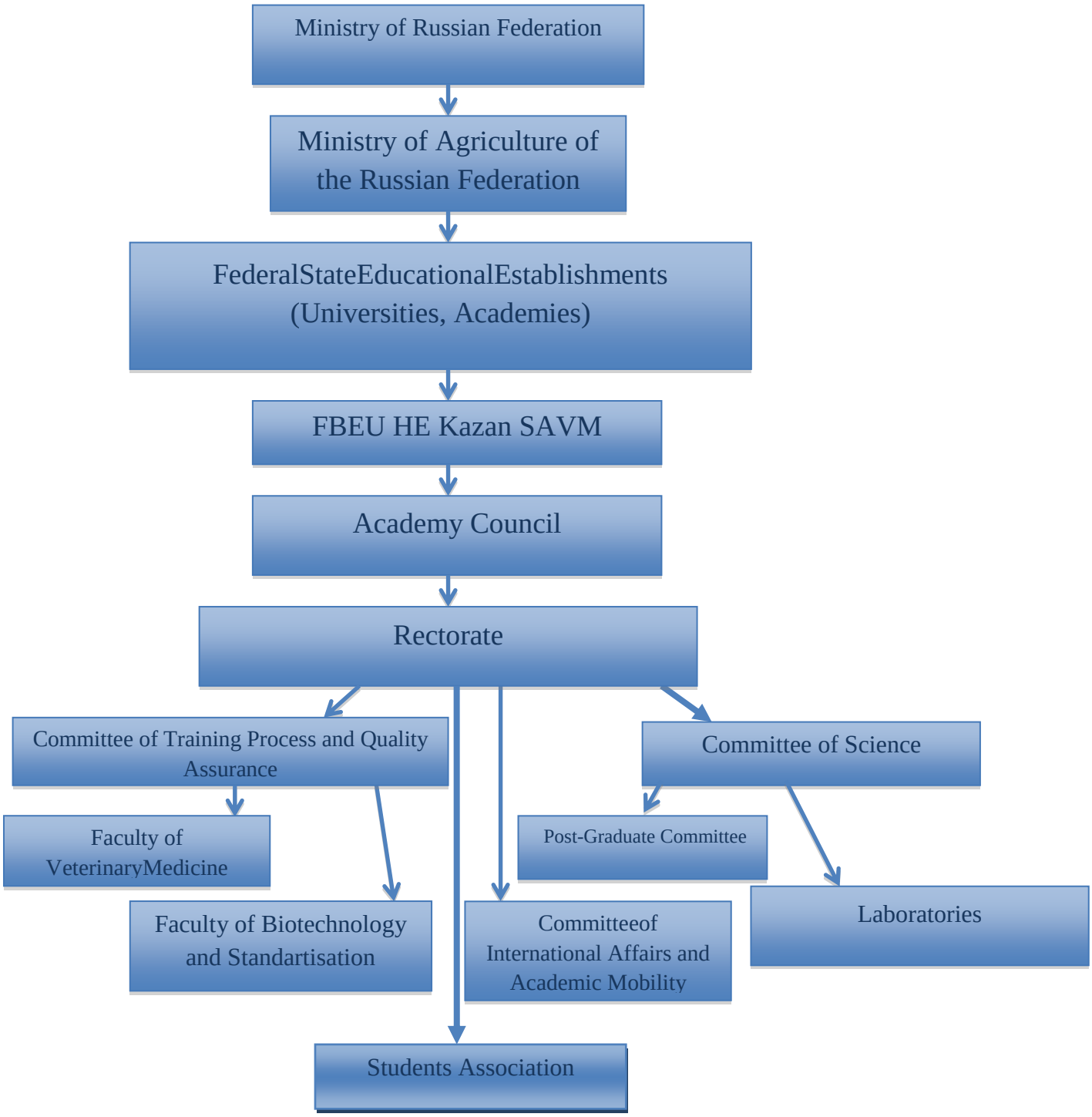
-providing modern facilities and equipment for students to be trained as professionals;

-implementation of responsibility, ethics and transparency in the actions of the Academy;

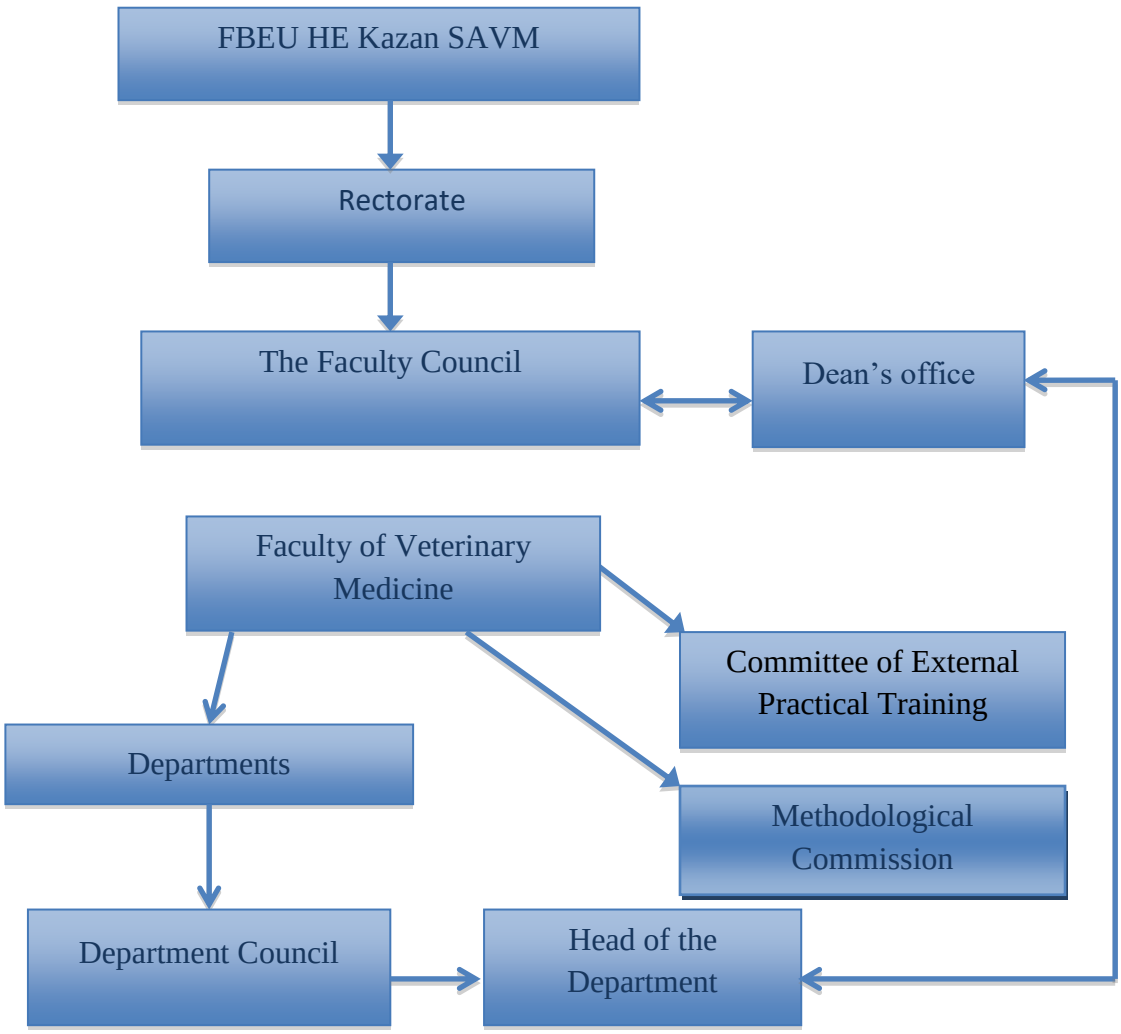
- preparation of the Academy for the EAEVE Accreditation.

1.1.4.Organisational chart *(diagram)* of the Establishment

The overseeing authority of the Academy is the Ministry of Agriculture of the Russian Federation. The Academy consists of two faculties: the Faculty of Veterinary Medicine and the Faculty of Biotechnology and Standardisation, Departments, Post-graduate Education and Committees.



1.1.4a. Organisational chart *(diagram)* of the FVM



1.1.5. List of departments/units/clinics and councils/boards/committees with a very brief description of their composition/function/responsibilities*(further information may be provided in the appendices)*

The organization of the faculty of Veterinary Medicine (FVM) comprises Faculty Council, Dean's office with the Dean ahead, Departments, Methodological Committee, Committee of practice.

Dean of the FVM acts as director and Manager of the Faculty and is the official representative of the Faculty. He is elected from the Professors staff by the Academy Council for the period of 5 years.

The Dean's office consists of 3 Deputies and 2 secretaries. Dean's Deputies are responsible for training process coordination, controlling the students' practice, welfare, supporting the liaison with parents and also deal with day-to-day matters.

There are 11 Departments and 5 Committees at the FVM. Departments are in charge

to coordinate teaching process of one or more subjects in accordance with the teaching programme as well as to support the research activities

Departments	**Head**
Surgery,obstetrics, andpathologyofcompanionanimals	Candidateof Veterinary Science, Associate Professor Ilsur G. Galimzyanov
Anatomy Pathological Anatomy and Histology	Dr.of Veterinary Science, Prof. Orazali T. Mullakaev
Inspection and Control of food and feed	Dr.of Veterinary Science, Prof. Ali Kh. Volkov
Foreign Languages	CandidateofPhilological Science, Associate Professor Gyulchekhra I. Faizieva
Microbiology	Dr.ofVeterinaryScience, Prof. AlbertK. Galiullin
Veterinary Management	Dr.ofVeterinaryScience, Prof. IvanN. Nikitin
Epizootology and Parasitology	Cand. ofScience, AssociateProfessorDanilN. Mingaliev
Therapyandclinicaldiagnostic with radiology	Dr.ofVeterinaryScience, Prof. MirzabekG. Zukhrabov
Pharmacology, Toxicology and radiobiology	Dr.ofVeterinaryScience, AssociateProf. FazilA. Medetkhanov
Physiology and pathological physiology	Dr.ofVeterinary Science, Prof Rufiya G. Karimova
PhysicalTraining	CandidateofBiologicalScience, AssociateProf. SaizodaS. Chinkin

Committees

Training Process and Quality Assurance	Candidateof Veterinary Science, Associate Professor Yuliya V. Krasovskaya
International Affairs and Academic Mobility	Candidate of Philologoical Science, Associate Prof. Giulchekhra I. Faizieva
Post-graduate education	Candidate of Biological Science Zemfira I. Khamitova
Committee of External Practical Training	Candidate of Biological Science, Associate Proffessor Damir D. Khairullin
Methodological Commission	Dr. of Bioloogical Science, Professor

	Viktor I. Usenko

EachDepartmentcoordinates its work in accordance with the Charter of the Academy.

1.1.6. Descriptionofhow*(procedures)*andbywho *(description of the committee structure)* the strategic plan and the organisation of the Establishmentaredecided, communicated to staff, students and stakeholders, implemented, assessed and revised

Steps	***Responsible official***
Constructionofstrategicthemes	Dean's office, Departments
Approvalofstrategicplan	Academic Council
Communication to the staff, students, stakeholders	Website of the Academy
Implementation and plan adjustment	Dean's office, Departments, Committees
Verification	Vice Rector on Education and Pastoral work
Assessment of plan's implementation	Committee of Training process and QA

1.2. Comments

Strategic plan contributes to the achievement of the Academy's objectives and gives a clear vision.

1.3. Suggestions for improvement

The strategic plan of the Academy needs the support on behalf of the Ministry of Agriculture of the Russian Federation and the Republic of Tatarstan and the Ministry of Education and Science of the Russian Federation**.**

2. Finances

2.1. Factual Information

2.1.1. Description of the global financial process of the Establishment

The Academy finance is regulated by “Accounting Policy” , a document authorized by the Academy administrative order № 190 of 30 December 2016.

The amount of financial provision for the Academy in 2017 was 3 366 971,34€, including 2 060 284,17€ subsidy for financial provision of fulfilling the state order, the subsidy of 652 782,78€ in accordance with Article 78.1 subparagraph1 of the Budget Codex of the Russian Federation (stipendiary provision) and revenues from paid services (works) and other income-producing activities – 653 904,39€

2.1.2. Degree of autonomy of the Establishment on the financial process

The degree of autonomy of the Academy is around 20% of the entire financial provision, described in point 2.1.1.

2.1.3. % of overhead to be paid to the official authority overseeing the Establishment on the revenues from services and research grants

The Academy doesn't have to pay % of overhead to the official overseeing authority.

2.1.4. Annual tuition fee for national and international students

The price of paid educational services for all the Degrees at the Academy was 1 123,98€ for national and 1 162,49€ for international students (2017-2018 academic year). The annual fees are fixed for a year and are not to be revised.

2.1.5. Estimation of the utilities and other expenditures directly paid by the official authority and not included in the expenditure tables

Contract expenses in 2017 (in €):

Gas delivery	128 181,39
Pipeline gas delivery	12 091,69
Electricity supply	155 832,68
Water supply and sewerage	32 695,21

2.1.6. List of on-going and planned major investments for developing, improving and/or refurbishing facilities and equipment, and origin of the funding

The sum for the main investments is planned in the annual budget of the Academy and approved by the Academy Council. It averages578,34 thousands €. If there is a

need of contingencies (repair work, purchase of the equipment and renovations), additional financing can be allocated.

2.1.7. Prospected expenditures and revenues for the next 3 academic years, €

	2018	2019	2020
Income	3 487 490,08	3 560 146,12	3 632 802,16
Expenditure	3 487 490,08	5 013 266,99	3 632 802,16

2.1.8. Description of how and by who expenditures, investments and revenues are decided, communicated to staff, students and stakeholders, implemented, assessed and revised

The plan of the financial-economic activity is authorized by the Rector of the Academy, whose work is coordinated by the Department of Science and Technology of the Ministry of Agriculture of the Russian Federation.

The authorized plan is made available on the Internet on the official site www.bus.gov.ru

Introducing changes in the plan that are not connected with passing a Federal law on the federal budget for the forthcoming fiscal year and the planned period, is done only in case of appropriate justifications and calculations.

Table 2.1.1. Annual Expenditure in the last 3 academic years€

Kind of expenditure	2017	2016	2015	Mean
Staff costs	1 867 199,28	1 916 692,89	1 638 176,09	1 807 356,08
Operating costs	84 760,54	195 873,08	102 339,55	127 657,71
Maintenance	60 500,69	111 565,80	102 087,10	91 384,52
Equipment	6 829,67	50 282,24	58 920,75	39 983,94
The total cost	3 366 971,35	3 441 791,74	3 045 944,02	3 284 902,36

Table 2.1.2. Annual revenues during the last 3 academic years€

Source of income	2017	2016	2015	Mean
State authority	2 713 066,96	2 804 814,31	2 489 108,86	2 669,00
Cost of education (for standard students)	1 575,44	1 532,03	14 138,87	1 507,12
Cost of education (for full fee students)	1 123,99	1 080,69	1 017,18	1 507,12
Clinical services	34 640,27	32 961,79	68 441,99	45 348,02
Diagnostic services	23 078,97	21 974,54	45 628,00	30 227,17
Other services	193 264,62	428 897,98	275 656,26	299 272,96
Research grants	59 868,58	57 665,40	43 593,63	53 709,21
Permanent education	327 969,83	257 325,75	123 515,27	236 270,29
Donations	29 062,42	165 655,78	17 437,45	70 718,55
Other sources	145,31	3 051,55	0,00	1 060,78

Total revenues	3 366 971,35	3 603 639,78	3 045 944,02	3 338 851,71

Table2.1.3. Annual balance between expenditures and revenues €

Year	Total expenditures	Total revenues	Balance
2015	3 198 418,48	3 275 723,76	77 305,27
2016	3 412 175,18	3 504 638,61	92 463,43
2017	3 521 422,31	3 605 892,68	84 455,84

2.2. Comments

In the last three years the activity of the Academy as usual has been in compliance with the budget, Civil and Taxation Laws, Regulations and documents of the Federal Executive Authorities, Orders of the Ministry of Agriculture of the Russian Federation. In the aforementioned period the supervision authorities (Federal Antimonopoly Service Agency in the Republic of Tatarstan, Federal Service for Supervision in the Sphere of Education and Science) have conducted regular planned inspections of the Academy.

2.3. Suggestions for improvement

The Academy should increase the external fundraising providing services on the commercial base to achieve a higher degree of autonomy for expenditure.

3. CURRICULUM

3.1. Factual information

3.1.1. Description of the educational aims and strategy in order to propose a cohesive framework and to achieve the learning outcome

The Faculty of veterinary medicine have been training veterinarians (5 years programme) and veterinary-sanitary experts (bachelors).

Almost 200 students yearly are enrolled to the program "Veterinary" and 25 students to the programme "Veterinary and Sanitation expertise". Enrollee must have Certificate of College or High School. The level of requirements for competitive selection is established in accordance with the Rules of admission to Higher Educational Establishments of the Russian Federation. The term of the Veterinary training program is 5 years, Veterinary and Sanitation program is 4 years.

Educational program is conducted on full-time base and consists of 3 blocks: block 1-Basic part (compulsory modules), variable part and electives ; block 2-practice and research work and block 3 - Final State Validation.

The maximum amount of student's academic load per week, including class hours and extramural educational work does not exceed 54 hours. Volume of mandatory class training hours is 27 hours per week.

Veterinary programme /Code 36.05.01/ is based on the requirements of the World Organization for Animal Health (OIE), which is determined by the Regulations of Article 3.2.12 of International Veterinary Codex on Veterinary Institutional Boards.

Lectures

The number of hours allocated to lectures is not more than 40% of the total quantity of academic hours dedicated to the subject. Lectures are held in the form of presentations, using interactive materials, tutorials and demonstrational stuff. Lectures in the form of dialogues are also practiced.

Seminars

The number of hours allocated to Seminars is not more than 60% of the total quantity of academic hours dedicated for the implementation of the subject. Some seminars are planned to be conducted in livestock farms and branches of the department. Seminars are carried out with the use of practical material and animals in the conditions brought close to laboratory or clinical conditions ones. The students actively participate, perform diagnostic, therapeutic, or other methods according to the curriculum of the subject. The training process uses full motion videos about modern technologies and methods of animals' diagnostics and treatment, including

Establishment's laboratories with technical teaching aids.

Supervised self learning

50% of the training time is devoted to students' independent work and includes the following forms of verification:
- self learning tasks, prescribed in the curriculum and discussing them with the teacher according to Department schedule.
- course work, thesis and research work.
- preparations for the final and the current control, prescribed in the curriculum of the course.

3.1.2. Description of the legal constrains imposed on curriculum by national/regional legislations and the degree of autonomy that the Establishment has to change the curriculum

According to the Federal State Education Standard (FSES), Regulation No. 962 on September 3, 2015, approved by the Ministry of Education and Science of the Russian Federation, the leading Establishment (the Moscow Academy of Veterinary Medicine named after Scryabin) develops Exemplary Basic Educational Package (EBEP) and exemplary curriculum of disciplines where mandatory and professional disciplines (modules) are recommended. And basing on exemplary EBEP, the Academy develops its own core educational package and curriculum of subjects, which the Departments should follow during the academic year.

3.1.3. Description of how curricular overlaps, redundancies, omissions and lack of consistency, transversality and/or integration of the curriculum are identified and corrected.

Curriculum is elaborated on the base of the program package «GOSNSP». The "GOSNSP" system is designed to set curricula courses of high education, with a view to submit them for compliance with the Federal State Education Standard of Higher Education. The use of "GOSNSP" system helps to avoid overlaps, redundancies etc.
The developed curriculum is considered, discussed and corrected by the Faculty Methodological Commission. The adjustments are approved by the Faculty Council.

3.1.4. Description of the core clinical exercises/practicals/seminars prior to the start of the clinical rotations

The core clinical exercises are: Anatomy of companions, Histology, Physiology and Ethology, Genetics, Animal Nutrition, Pathological Physiology, Veterinary Microbiology and Mycology, Immunology, Veterinary Virology and Biotechnology, Hygiene, Economics, Organization and Management of agricultural production, Vital activity safety, Pharmacology, Toxicology, Latin (the veterinary terminology).

In the frame of curriculum the following practicals to master preclinical skills are organized:
-external classes in the Republican veterinary laboratories (Kazan);
-external practical sessions at Departments' branches in farms and enterprises (RT, Vysokogorskiy District);
- excursions to the leading agricultural enterprises of the agro-industrial complex of the Tatarstan Republic (Red East of RT, Zelenodolskiy District);
- internal practical training during the 1st, 2d, 3d courses on preclinical subjects (modules) within 7 weeks in the volume of 216 hours which is equal to 6 Unit Credits (U.C.) (Kazan, SibirskiyTrakt St., 35).

3.1.5. Description *(timing, group size per teacher,..)* of the core clinical rotations and emergency services *(both intramural VTH and ambulatory clinics)* and the direct involvement of undergraduate students in it *(responsibilities, hands-on versus observation, report writing, ..)*

4284 h. (119 U.C.) are dedicated to master the clinical sciences. The volume of class hours is 58.9% and 41,1% is prescribed to self learning. Operating educational programmes on the disciplines are designed by academic staff and are proved at the Department Councils and Methodological Commission of the FVM.

Self learning is supposed to investigate additional material provided by the operating educational program.

Compulsory clinical sciences are:
Non-contiguous animal diseases, Surgery, General and Private Surgery, Obstetrics and Gynecology, Epizootology and infectious diseases, Parasitology and invasion diseases, Pathological Anatomy, Forensic medicine and Certification, Veterinary Management, National and International Veterinary Legislation, Communication Skills, Inspection and control of food and feed, Practice management and business .

3.1.6. Description *(timing, group size per teacher,..)* of the teaching in slaughterhouses and in premises for the production, processing, distribution/sale or consumption of food of animal origin

936 h. (26U.C.) are dedicated to master practical work in places for the production, processing of food of animal origin.

Students are distributed into group of 17-20 persons per one teacher.

The subjects of the curriculum that provide specific training are: Inspection and control of food and feed, Breeding with fundamental principles of Zootechnics, Fodder production and animal feeding, Fodder production technology.

Clinical training include:

- daily duty shifts in the VTH of the Academy;
- externalpractical sessions at Departments' branches in farms and enterprises ;
- practicals with animals (which the Academy has in its own: cow-1, heifer-2, goat-1, sheep-6, rabbits -18)
- visits of private veterinary clinics of Kazan.

3.1.7. Description of the selection procedures of the Electives by the students and the degree of freedom in their choice *(e.g. what happens when too many students select one specific track)*

The number of hours included as Electives in the Curriculum is 432 h. (12 U.C.).
Students are given the opportunity to choose the Elective of their interests.

The curriculum includes eight Elective subjects:
-pathology of domestic and exotic animals;
-the quality and safety of food raw materials and food products;
-Veterinary Pharmacy;
-reproduction technology of the herd;
-diseases of birds, fish, bees;
-diseases of young stock;
-Biology of dogs and canine basics;
-laboratory business.

3.1.8. Description of the organisation, selection procedures and supervision of the EPT

EPT is an obligatory Core Subject. The students must complete a minimum of
324 h (9 U.C.) of practicals in external entities (e.g., veterinary clinics, companies, scientific centres and entities both of the Tatarstan Republic and the Russian Federations on the base of Agreements between them and the Academy, and also VTH, etc.) in any of the areas linked to Veterinary Science.

The EPT is organized by the Committee of External Practical Training, composed of the Head, the Vice-Dean responsible for the EPT, facilitator, supervisor from each Department.
The functions of this Committee are:
- toauthorise the EPT of each student;
- to take part on the evaluation process of the EPT of each student;
- to solve possible conflicts related to the EPT;
- to be sure that the external entities have sufficient quality to guarantee a correct learning process during EPT.
Upon completion of EPT students provide reports with the results of the practice. It is necessarily attached internship logbook to the report.

3.1.9. Description of the procedures *(e.g. logbooks)* used to ascertain the achievement of each core practical/clinical activity *(pre-clinical, clinical, ambulatory clinics, EPT)* by each student

With regard to practical/clinical activities students are requested to fill in specially designed daily Logbook, which is mandatory handwritten note. At the end of EPT students prepare a report to be presented before the Commission.

In the Logbook students should indicate all activities they have done and the data when it was. The supervisor is requested to check the Logbook once within 10 days. At the end of practice, it is signed by the student and sealed by the Enterprise or the Academy.

Attested reports with written feedback and assessment are returned to the Commission. Presentation of Logbooks and reports are tested by special Commission including academic staff of principal Departments.

The feedback of the student's report and Logbook, conclusion of the supervisor, student's presentation, response to Commission members question influence to final assessment, which is entered in a protocol and a student achievement book.

3.1.10. Description of how *(procedures)* and by who *(description of the committee structure)* the core curriculum is decided, communicated to staff, students and stakeholders, implemented, assessed and revised

Methodical Commission of FVM at its meetings debate the curriculum concerning all subjects, schedules of learning process for each academic year. It also considers plans for improvement and implementation of integrated quality management system to train qualified specialists in educational process. Methodological Commission consists of leading academic staff of principal Departments. The Commission consists of 13 members and the Chairman and is appointed for 5years period.

All decisions taken by the Commission are presented to the Faculty Council. After debating,the decisions are recommended to the Rector to be approved.

The modifications and improvements are communicated to all parties through meetings and publications on the website.

Table 3.1.1. Curriculum hours in each academic year taken by each student

Academic years	A	B	C	D	E	F	G	H
Year 1	316		1064	682				2160
Year 2	338		1072	670				2080
Year 3	318		1022	622				2016
Year 4	334		976	634				2160
Year 5	250		791	471				1512

A: lectures; B: seminars; C: supervised self learning; D: laboratory and desk based work, E: non-clinical animal work; F: clinical animal work; G: others (specify); H: total

Table 3.1.2. Curriculum hours in EU-listed subjects taken by each student

Subjects	A	B	C	D	E	F	G	H
Basicsubjects								
Medicalphysics	44		108	64				216
Chemistry (inorganic and organic sections)	24		72	48				144
Biology with fundamental principals of ecology	36		94	50				180
Fodder production technology	16		36	20				72
Medicinal plant and toxic plants	10		42	20				72
IT in Veterinary Medicine	10		42	20				72
Basic Sciences								
Anatomy	82		222	128				432
Cytology, histologyandembryology	38		112	66				216
Physiology and Animal ethology	72		180	108				360
Biochemistry	36		108	72				216
Veterinary genetics	20		58	30				108
Pharmacology	42		130	80				252
Toxicology	18		54	36				108
Pathological physiology	54		144	90				288
Parasitology	56		144	88				288
Microbiology and mycology	36		108	72				216
Immunology	10		36	26				72
Epizootology	66		178	116				360
Fodder production and animal feeding	28		90	62				180
Clinical Sciences								
Obstetrics and gynecology	60		130	98				288
Diagnostics	48		128	76				252
Surgery	20		72	52				144
Operative surgery with	30		94	56				180

topographic anatomy								
Internal non-contagious diseases	52		192	116				360
Pathological anatomy	38		144	70				252
Forensicmedicine and Certification	16		60	32				108
Instrumental methods of diagnostic	10		36	26				72
AnimalProduction								
Breeding with the principal elements of zootechnics	46		130	76				252
Economics	10		36	26				72
Agricultural economics and Management	20		72	52				144
Food Safety and Quality								
Inspection and control of food and feed	54		144	90				288
Food hygiene and food microbiology	10		72	26				108
Food technology including analytical chemistry	10		36	26				72
Technology of animal origin products	28		54	62				180
Industrial Inspection and control of food and feed	20		54	34				108
Professional Knowledge								
Professional ethics and Legislation	28		72	44				144
Veterinary Management	16		60	32				108
National and International Legislation	26		66	40				144
Communication skills	10		36	26				72
Practice management & business	24		72	48				144

A: lectures; B: seminars; C: supervised self learning; D: laboratory and desk based work, E: non-clinical animal work; F: clinical animal work; G: others (specify); H: total

Table 3.1.3. Curriculum hours taken as electives for each student

Electives	A	B	C	D	E	F	G	H

Pathology of domestic and exotic animals	92		163	177				432
The quality and safety of food raw materials and food products	92		163	177				432
Veterinary Pharmacy	92		163	177				432
Reproduction technology of the herd	92		163	177				432
Diseases of birds, fish, bees	92		163	177				432
Diseases of young stock	92		163	177				432
Biology of dogs and canine basics	92		163	177				432
Laboratory business	92		163	177				432

A: lectures; B: seminars; C: supervised self learning; D: laboratory and desk based work, E: non-clinical animal work; F: clinical animal work; G: others (specify); H: hours to be taken by each student per subject group

Table 3.1.4. Curriculum days of External Practical Training (EPT) for each student

Subjects	**Minimum duration (weeks)**	**Year of programme**
Productionanimals (pre-clinical)	3	3 4
Companionanimals (pre-clinical)	-	
Productionanimals (clinical)	8	5
Companionanimals (clinical)	-	
FSQ & VPH	9	3 4

Table 3.1.5. Clinical rotations under academic staff supervision (excluding EPT)

Types	**List of clinical rotations (Disciplines/Species)**	**Duration Year of**	**Duration (in weeks)**	**Year of programme**
Intra-mural (VTH)	Internal non-contagious diseases, Surgery, Clinical Diagnostics, Obstetrics and Gynecology, Epizootology and Parasitology		3-8	4 - 5
Ambulatory clinics				
FSQ & VPH	Inspection and control of food and feed, Internal non-contiguous diseases, Surgery, Clinical Diagnostics, Obstetrics and Gynecology, Epizootology and Parasitology, Microbiology		6	3-4

Electives	Pathology of domestic and exotic animals, the quality and safety of food raw materials and food products, Veterinary Pharmacy, Reproduction technology of the herd, Diseases of birds, fish, bees, Diseases of young stock, Biology of dogs and canine basics, Laboratory business		
Veterinary laboratories	Veterinary microbiology and Micology, Veterinary Virology, Immunology	1-2	2-3

Table 3.1.6. Optional courses proposed to students (not compulsory)

Subjects	A	B	C	D	E	F	G	H

A: lectures; B: seminars; C: supervised self learning; D: laboratory and desk based work, E: non-clinical animal work; F: clinical animal work; G: others (specify); H: total

3.2. Comments

To increase cognitive activity students are facilitated to participate in students scientific society of the Academy, AcademicContests on disciplines, Conferences of Young Scientists in the Russian Federation and International Student Congresses.

3.3. Suggestions of improvement

1. to strengthen the material and technical base of the Faculty by purchasing special modern equipment and diagnostic test systems for laboratory and practical classes;
2. to obtain permission to set specialized microbiology laboratory for practical lessons and research activity of studentsv to be conducted;
4. to implement of e-learning;
5. to finish mini-farm of the Academy to hold practical training with animals on clinical sciences.

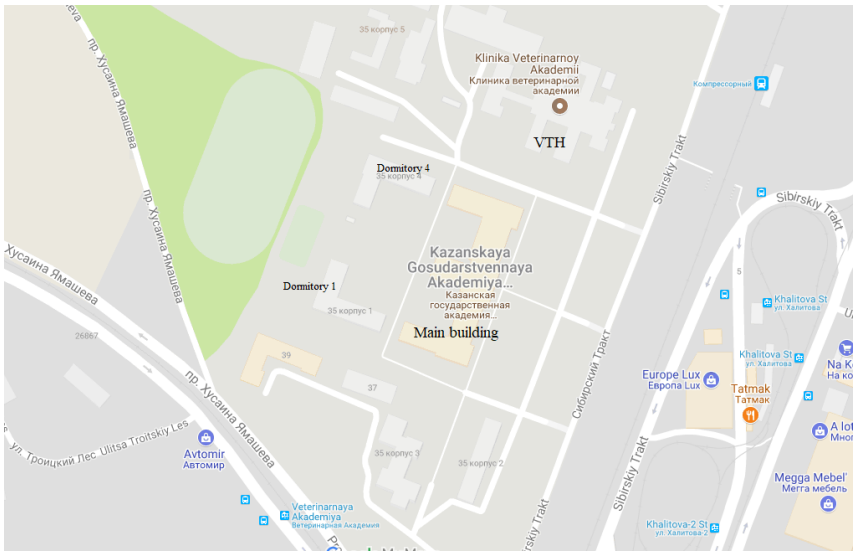
4. Facilities and equipment

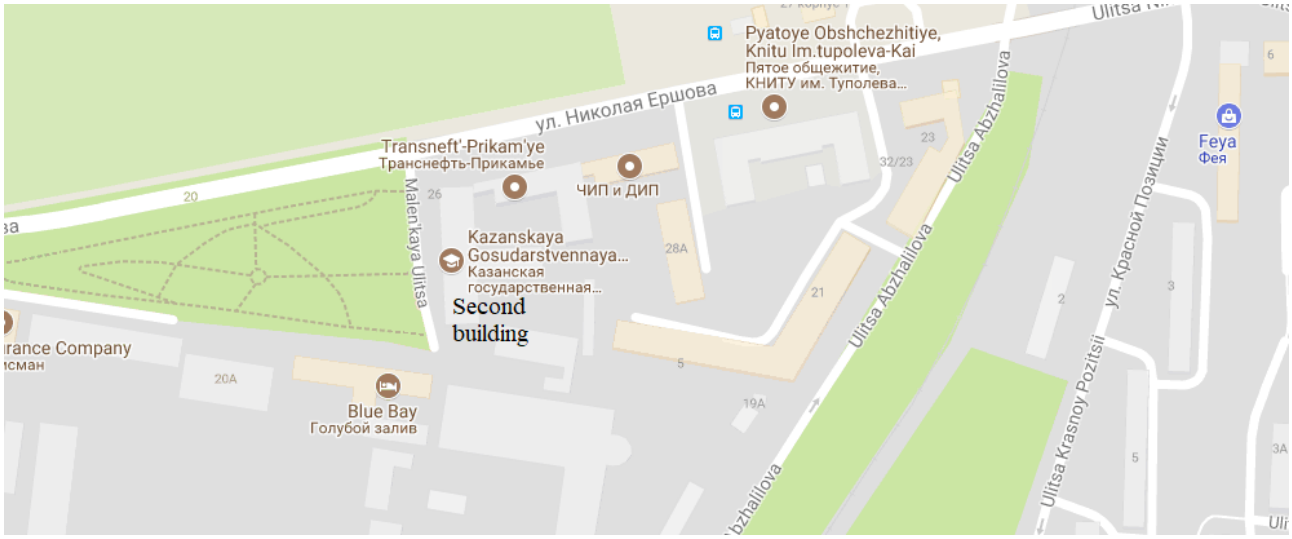
4.1. Factual information

FVM is located in 2 buildings: the main building on 35 Sibirsiy Tract St. and the second training building on 26 Ershov St. The Academy has facilities and equipment to provide veterinary training on all types of preparation. FVW has good geographical location and fine transportation.

4.1.1. Description of the location and organisation of the facilities used for the veterinary curriculum *(surface area, distance from the main campus for extramural facilities, ..) (mapstobeprovidedasappendices)*

Index	Building	Surface/Floor	Facilities
A	Main building. Kazan, 35 Sibirskiy Tract	16341,1 m^2	Departments: Biology, Genetics and animal production, Biological and organic chemistry, Inspection and control of food and feed, Physical sciences, Genetics and animal production, Animal Nutrition, Microbiology, Veterinary Management and Business, Livestock technology, Technology of production and recycling of agricultural products, Pharmacology, Toxicology and radiobiology, Physiology and Pathological Physiology, Economics, Management and IT. Dean's office, Committee of Curriculum and QA, Post graduate Committee , Library, Museums.
B	Clinical building, Kazan, 35 Sibirskiy Tract St.	3406,7 $м^2$	Departments: Surgery, obstetrics and pathology of companions, Therapy and clinical diagnostics with radiology; VTH.
C	Second training building, Kazan 26 N.Ershov St.	3577,8 $м^2$ Distance from the main building is 5,5 km.	Departments: Epizootology and Parasitology, Anatomy, pathological anatomy and histology. Museum of pathological anatomy Museum of anatomy.
D	Laboratory of molal biology. Kazan NauchniyGorodok-2	18 $м^2$ Distance from the main building is 13 km.	Department: Microbiology, virology and immunology.





4.1.2. Description *(number, size,equipment, ..)*of the premises for:

-) lecturing

No	1	2	3	4	5	6	7
Building*	B	B	A	A	A	A	C
Names	ВК-1	ВК-2	154	118	309	339	38
Surface (m^2)	100	100	228,4	221,4	220	220	151,2
Equipment/оборудование	multimedia						

Building* A - Main Building, B - Clinical building, C- Second training building

-) groupwork*(seminars, tutorials, ..)*

	Surgery, obstetrics and pathology of companionsживотных	Therapy and clinical diagnostics with radiology	Inspection and control of food and feed ртизы	Pharmacology, and Toxicology radiobiology палиобиологии	Microbiology, virology and immunology	Anatomy, pathological and anatomy histologyгистологии	Epizootology and Parasitology

Building*	B	B	A	A	A	D	C	C
Surface (m^2) /number of rooms	145,5 /3	138,8 /3	106,2 /2	157,8 /4	275 /5	18 /1	633 /13	344,8/5
Equipment**	A,B,C,D	A,B,G	A,E,G	A,B,H	A,G, F	G,F	A,D,G	A,B,F,G

Building* A - Main Building, B - Clinical building, C- Second training building, D- Laboratory of molecular biology

** A – multimedia B – equipment for the diagnostics; C – surgical facilities, D – anatomic preparations; E – equipment for inspection and control of food and feed; F – equipment to work with c microorganisms and contagious material; G – microscopes, H – equipment for producing pharmaceutical composition.

-) practical work*(laboratories, rooms for clinical skills room on dummies, ..)*

№	1	2	3	4	5	6	7	8	9	10	11	12	13
Names	Operating theatre on operative surgery	Operating theatre on general surgery operative surgery	Bandagingroom	topographicanatomy	orthopaedics	Centreofexperemental syrgery	Laboratory of clinical diagnostic	Trainingroom	physiotherapyroom	Chemicallaboratory	Operatingtheatref or CA	Operatingtheatref or	14
Surface m^2)	31,6	48,7	30,7	31,2	43,8	42,3	15,3	56,2	17,5	8,3	30, 9	32,6	28, 2
Use*	A	A	A	A	A	A	L	A	A	A	A	A	A

*A - auditorium for clinical skills training; L - laboratory

4.1.3. Description *(number, size, species, ..)*of the premises for housing:

-) healthy animals

Vivarium for laboratory rodents has the surface of 100 m^2 with basic equipment.

Departments	Animals	Quantity
Physiology and pathological physiology	Rodents	250
Animal sanitation	Rodents	70
Pharmacology	Rodents	100
Surgery, Obstetrics, and pathology of companion animals	Rodents	30
Vivarium	Rodents	30

4.1.4. Description *(number, size, equipment, species, disciplines, ..)*of the premises for:

-) clinicalactivities

Surface (m^2)/number of rooms	Equipment	Disciplines
30,9 $м^2$/1	Therapeuticequipment,surgical equipment	Pathology of companion animals; operative surgery

-) diagnosticservicesincludingnecropsy

Surface (m^2)/number of rooms	Equipment	Disciplines
46,5 $м^2$/2	Urine analyzerDIRUIH-100, automatichematologicanalyzer, biochemical analyzer,X-Ray unit DIG-360	Diagnostics, Instrumental diagnostics

-) FSQ & VPH*(slaughterhouses, foodstuff processing units, ..)*

Surface (m^2)/number of rooms	Equipment	Disciplines
106,2 $м^2$/2 53,2	Milkqualityanalyzer, , butyrometer 1-40 forcream, butyrometer 1-6 formilk, indicator of mastitis milk, egg candlingapparatusOB-10, the device for determination of food material humidity,PH-meter for milk,PH-meter for meat, trichinelloscope, Ecotester, milk analyzer «Klever 1M», milk analyzer «Laktan 1-4» model 230, milk analyzer «Somotos», electronic scales CAS, acidity measuring instrument,luminoscope, icroscopes,polarimeter,refractometer, steriliser dry sterilizer,air oven, thermostat 0461; draped patterns demonstrating meat and visceral organs pathological changes.	Inspectionandcontroloffood, FoodTechnology, Technologyofmeatprocessing, Dairymanagement,Technology of products of animal origin, Primary processing technology of livestock products. Commodityscience, biosecurityand inspection ofgoods.

4.1.5. Description *(number of rooms and places, ..)*of the premises for:

-) study and self-learning

Library is the main place for self-learning. It has 120 seats divided among 4 zones. More detailed information is given in Chapter 6 (6.1.1)

-) catering

FVM has a large canteen (2 halls) located in the main building with the surface of 906 $м^2$ and 200 seats. Also there is a cafeteria with the surface of 74,4$м^2$ and 24 seats.

-) locker rooms

There are 2 locker rooms in the main building, 1 in the VTH and 1 more in the second training building.

-) accommodation for on call students

All on call students and post-graduates are provided with triple rooms accommodation. There are 2 dormitories No1 and No 4 with the surface 4120,9m^2 and 4183.4 m^2 relatively on the territory of campus.

-) leisure

The sport facilities of the Academy are integrated in four complexes: sport halls, gym, stadium and recreation centre. Sport halls offer the infrastructure to practice various kind of sports, such as volleyball, basketball, tennis. There is also a wide offer of sport clubs. The Academy has some outdoor rest areas

4.1.6. Description *(number, size, equipment, ..)* of the vehicles used for:

-) students transportation *(e.g. to extramural facilities)*
-) ambulatory clinics
-) live animals transportation
-) cadavers transportation

For students transportation there is a vehicle with 20 seats/

There is no special vehicle for live animals and cadavers transportation

4.1.7. Description of the equipment used for

-) teaching purposes

Classrooms have audio and visual equipment and some of the rooms are equipped with digital whiteboards and projectors, the internet access is also available.

-) clinical services *(diagnostic, treatment, prevention, surgery, anaesthesia, physiotherapy,*

Large animals

Specification	**Basic equipment**	**Special equipment**
Surgery	A lamp Sollyuks, quartz lamp, a lamp «Bioptron», masseurs, surgical tables, stationary shadow-free lamps; small and large set of surgical instruments	Thermocautery for dehorning, angle grinder with disks for clearing the hooves

Therapy	Electrocardiograph, electrocardioscop, phonocardiograph, ruminograph,	X-ray apparat
Physiptherapy	A lamp Sollyuks, quartz lamp, a lamp «Bioptron»	
Diagnostic services	Electrocardiograph, electrocardioscop, phonocardiograph, ruminograph, metal indicators, microelectrosound for the detection of hypersensitivity areas (for reflex therapy), laser device, echoosteometer to determine bone density, X-ray; echotomoscop 02-02, various sounds, etc. pH-meters, refractometers, microscopes, photoelectrocolorimeters in laboratory activities	
Obstetrics	Instruments for artificial insemination of cows, sows, sheep and goats; artificial vaginas to obtain semen of bulls, boars and rams; dairy-controlling plates, indicators for mastitis testing, Dewar vacuum flasks (30 liters and 5 liters), biothermostats for thawing the bull semen in Paet; heater tables for semen estimation; centrifuge; microscopes «BiolamR-11»; teaching biological microscope with illuminators «Micromed-S11»; microscope «Biomed S-1I»; microscope with illuminator «OI33»; instruments for obstetrics and phetotomy; obstetric extractor; phantom for training the obstetric care	Portable UI-scanner with electronic sound (iScan); electronic detectorof estruation in cows and mares «Draminski»; estrometer, analyzer of bulls' semen quality SQA-V

Small animals

Specification	**Basic equipment**	**Special equipment**
Surgery	Small and large set of surgical instruments; ophthalmoscope – otoscope, Shirmer test	Ultrasonic scalers with microtomes, aspirator Armed

Therapy	electrocardiograph	Ultrasonic diagnostic system Mindray-7, portable ultrasonic device
Physiotherapy	A lamp Sollyuks, quartz lamp, lamp «Bioptron»	Device for UHF therapy, device for ultrasonic therapy, device for для electrophoresis
Diagnostic services	Microscope	X-ray, model of dog «Gerry»
Anesthesia services	Surgical table, table for instruments, laboratory tables, surgical stands, surgical lamps, laryngoscope, bags	Device for inhalation anesthesia Basetec, 600V veterinary patient monitor Zoomed, capnography module Zoomed, oxygen concentrators Armed

4.1.8. Description of the strategy and programme for maintaining and upgrading the current facilities and equipment and/or acquiring new ones.

The maintenance, renewal and acquisition of equipment and facilities depend on the budget availability, which, in turn, depends on the endowment that the Academy gets from the Ministry of Agriculture.

4.1.9. Description of how *(procedures)* and by who *(description of the committee structure)*changes in facilities, equipment and biosecurity procedures*(health & safety management for people and animals, including waste management)* are decided, communicated

The Academy has a position of engineer on labour risk prevention, who is in charge of managing all the aspects of risk prevention, including training for staff and students. Each Department also has safety datasheet which are presented to students at the first lesson.

Alarm system is also installed in the Academy.

4.2. Comments

As a whole, the facilities are adequate for providing practical and theoretical training . However, the equipment and facilities need to be replaced and updated

4.3 Suggestions for improvement

It is necessary to create conditions to deliver animals with various diseases of non-contagious pathology from nearby farms and to organize stationary keeping of the animals to provide optimal clinical training and treatment.

5. Animal resources and teaching material of animal origin

5.1. Factual information

25% of practical lessonsofprincipal/major Departmentsof the Faculty of Veterinary Medicine are organized directly in livestock entities and urban veterinary clinics. In addition, students fromthe 3d to the 5th courses have preclinical, clinical, extra-mural clinical practice and pre-diploma practice directly in the entitieswhich the Academy has the Agreement with.

5.1.1. Description of the global strategy of the Establishment about the use of animals and material of animal origin for the acquisition by each studentof Day One Competences

The Faculty of Veterinary Medicine provides the conditions for students to develop clinical skills and medical thinking, what is extremely necessary for a practitioner. Manual skills, which are implemented on clinical material of companion animals in the VTH and on productive animals in training entities, are also developed. The strategy for the use of animals and material of animal origin for the acquisition by each student, according to the competence, is directed to medical following activities:

1. the ability to use clinical research technique
2. the implementation of measures for the formation of healthy animal populations.
3. the ability to provide recommendations for keeping and feeding of animals.
4. the ability to conduct examination of animals.
5. the prevention of noncontagious disease
6. the ability to use instruments and facilities for diagnostic and therapeutic purposes.
7. the ability to realize preventive measures to prevent contagious and parasitic diseases.
8. the ability to work with laboratory equipment.
9. prescribing treatment based on proven diagnosis.
10. mastering the methods of aseptic and antiseptics.
11. implementation methods of diagnostic and treatment with contagious diseases.
12. implementation of diagnostic and treatment methods in parasitic diseases.
13. implementation of diagnostic and treatment methods in poisonings.
14. implementation of diagnostic and treatment methods in radiationdaamage.
15. Conductinginspection and control of food.
16. mastering the methods of recovery of farms while mass diseases.
17. the ability to analyze regularities of the organs and systems operating in organisms.
18. the ability to interpret the results of diagnostic researches.
19 the ability and commitment to implement therapeutic measures in diseases of adult animal populations.

20 the ability and commitment to implement therapeutic measures in diseases of young animals.
21 the ability and commitment to implement therapeutic measures in diseases of neonatal animals.
22 the ability to diagnose the animal's life threatening state of health and to implement the measures for its tretment.
23 to follow instructions while working with medicinal agents.
24 to use basic principles in organization of therapeutic dietary feeding
25 the acquisition of experience of organizing abilities in planning and economic analysis of implementing activities.

5.1.2. Description of the specific strategy of the Establishment in order to ensure that each student receives the relevant core clinical training before graduation, e.g. numbers of patients examined/treated by each student, balance between species, balance between clinical disciplines, balance between first opinion and referral cases, balance between acute and chronic cases, balance between consultations (one-day clinic) and hospitalisations, balance between individual medicine and population medicine

Thestrategy goalsare:

- consolidation of theoretical and practical knowledge while examining ill animals.
- acquisition of professional skills and practical techniques in the context of extra-mural and intra-mural practice.

About 20-25% of practical activities at major Departments are organized as extra-mural practice directly in livestock farms of nearby husbandry (on the base of Agreements)orin urban veterinary clinics.

Senior students have a duty in the VTH of the Academy. They, accept patients, provide them medical service, and take care of them under the supervision of a teacher. The animals may have diseases of contagious and non-contagious etiology, with acute and chronic cases of the disease or problems after injuries. Within the academic year, more than 1,500 different animals (including productive ones) are served both in clinics and extra-murally and about 500 animals are provided intra-mural medical assistance in the form of curating. Students write hospital history sheet on therapy, surgery and obstetrics and protect them with the following discussion of each clinical case. Each student has 1-2 clinically ill animals.

In addition to theoretical preparation, students of the FVMget practical skills, which takes in accordance with the standard curriculum, almost 25%.

5.1.3. Description of the organisation and management of the teaching farm(s) and the involvement of students in its running*(e.g. births, milking, feeding, ..)*

During the3d course, students have a two-week intra-mural practice on the following disciplines: clinical diagnostic, operative surgery and microbiology.They study to conduct clinical examination of animals, differential diagnostic of acute and chronic cases, to master manual palpation skills, percussion, fixing of animals, and to perform surgical manipulations.

During the 4th course, students have a four-week pre-clinical and clinical practice in the basic entities, working as veterinarians assistanton the following disciplines Surgery, Therapy, Obstetrics, Pharmacology and Animals sanitation.Students, with the help of Supervisor, master the differential diagnostic of diseases in productive and unproductive animals and birds, study the specific features of diseases running,determine the tactics of inpatient or outpatient treatment of sick animals.

During the 5th course, students have extra-mural clinical practice, lasting 8 weeks. Disciplines mastered by students areParasitology, Epizootology, Surgery, Obstetrics, Therapy, Veterinary management, Inspection and control of food. Students coordinate the diagnosis with the Supervisor of the practice, conduct autopsy of animals, send the material to the laboratory to confirm the diagnosis. They enhance the skills of carrying out differential diagnostic of contagious and non-contagious diseases, acute, subacute and chronic forms, the acquisition of methods for prophylactic medical examinations and measures to prevent the development of mass diseases, the ability to analyze the activity of the farm.

The Academy has concluded about 50 Agreements on cooperation with leading agricultural enterprises and veterinary institutions (clinics), which are the basis for the practice of final courses students.

5.1.4.Description of the organisation and management of the VTH and ambulatory clinics *(opening hours and days, on-duty and on-call services, general consultations, list of specialised consultations, hospitalisations, emergencies and intensive care, ..)*

The VTH is located in the main building with the surface of 150 m^2. Animals are examined in therapeutic, surgery and treatment rooms. There is a chemist and animal feed store. Operating hours are from 8^{00} till 22^{00} daily. Visitor numbers are 20-40 a day and about 7200 a year. Preventive, therapeutic and diagnostic activities, Corpological surveys and Hematologic studies, R-diagnostic, ultrasound are carried out. The appointments are conducted by academic staff of clinical Departments.

The VTH is the base for pre-clinical and extra-mural clinical practice which last from 2 weeks to 3 months. In the period of practice undergraduates master various clinical procedures: clinical examination, diagnostic tests, blood screening, methods of treatment and nursing, anesthesia, surgery and writing reports. t

5.1.5. Description of how the cadavers and material of animal origin for training

in anatomy and pathology are obtained, stored and destroyed

The cadavers and material of animal origin are destroyed by thermal processing in Federal State Establishment "Centre of toxicological, radiological and biological safety"on the base of Agreement between two Establishments (Agreement No 543 on 29 May 2017)

The cadavers, which are necessary for studying animals anatomy is obtained from farms, veterinary clinics and laboratories only after all contagious diseases are removed. Cadaverous stuff of small animals can be stocked in the fridge for no long time. Cadaverous stuff of animals, average in size, and their organs are fixed and later used in anatomy training.

To study the technique of autopsy the material of animal origin are also obtained after planned slaughtering in livestock, fur and poultry farms and veterinary laboratories, on the assumption of removing all contagious disease. After autopsyall stuff are eradicated in thermal incinerator.

5.1.6. Description of the group size for the different typesofclinical training (both intra-murally and extra-murally)

For the practicals and lectures on clinical subjects: surgery, obstetrics and therapy the size of group can slightly vary from 18 to 20 students.

5.1.7. Description of the hands-on involvement of students in clinical procedures in the different species, i.e. clinical examination, diagnostic tests, blood sampling, treatment, nursing and critical care, anaesthesia, routine surgery, euthanasia, necropsy, report writing, client communication, biosecurity procedures, .. (both intra-murally and extra-murally)

While having practice, students are directly involved in all the clinical procedures developed both in the VTH and extra-murally to improve skills prescribed in the Competences of subjects. The manipulations and the volume of themhave to be described in undergraduates' logbooks and reports.

Annually average number of manipulations for 100 undergraduates

№	Manipulations	Quantity of animal a year s
	Clinical examination	5000
	Prophylacticmedicalexaminationservice	2000
	Examinedanimalswith: - inner non-contagious diseases - surgical disorders - gynecological morbus	 900 700 1400
	Blood sample	1000
	Simulated insemination	540

	Investigation of fetation	970
	Obstetrical aid	600
	Surgery operations	200
	Preventive handling against non-contagious diseases	3600

5.1.8. Description of the procedures used to allow the students to spend extended periods in discussion, thinking and reading to deepen their understanding of the case and its management

During lessons on clinical disciplines students are facilitated to discuss clinical cases and prescribed treatment, after they do the prescribed manipulations on the animal. Students analyse the clinical run of the disease and suggest their adjustments after teacher's reconciliation. Lessons are conducted in surgery operating rooms, therapeutic studies. Students master methods of anaesthesia, surgical aggression, diagnostic of non-contagious diseases of abdominal and respiratory cavities. In the Centre of experimental surgery students conduct animals intubation, anaesthesia of peripheral nerves.

5.1.9. Description of the patient record system and how it is used to efficiently support the teaching, research, and service programmes of the Establishment.

Patients visits are recorded in registration books:
-Registration Book of animals enrolled in the VTH
-Registration Book of antirabic vaccine
- Registration Book of animals examined at the lesson free of charge

Students' visits to the VTH are also recorded in:
-Registration Book of students' visits
-Duty shifts Registration Book for the 4th course students inthe VTH (according to the schedule)

Ill animals are used at the practical lessons of surgery, therapy, obstetrics, and on specialisations of "Pathology of companion animals" and "Dog's biology and basis of cynology" (average number 40-60 animals).
On the base of observance data and practice, students write term papers (20-30 papers) and Diploma projects (10-12 projects)

5.1.10. Description of the procedures developed to ensure the welfare of animals used for educational and research activities

Animals used for training and research activities are kept in special in-patient rooms of the Departments which meet the animal sanitation request: brick walls, wooden floor, natural and artificial lighting and there are paddock yards. Animals are fed by feed brought from agricultural entities on the contract base.

5.1.11. Description of how *(procedures)* and by who *(description of the committee structure)* the number and variety of animals and material of animal origin for pre-clinical and clinical training, and the clinical services provided by the Establishment are decided, communicated to staff, students and stakeholders, implemented, assessed and revised

Departments dealing with pre-clinical and clinical training and the VTH supply the request in which they calculatethe approximate quantity and types of animals and material of animal origin. Requests are submitted to the Dean's office within the whole academic year and approved by the Rector.

Annually the information is revised and evaluated by the Dean's office and presented for approval at the Faculty Council.

Table 5.1.1. Cadavers and material of animal origin used in practical anatomical training

Species	2016-2017	2015-2016	2014-2015	Mean
Cattle	23	16	35	24,6
Small ruminants				
Pigs	41	38	45	41,3
Companion animals				
Equine				
Poultry and rabbits and exotic pets	39	47	53	46,3

* The last full academic year prior the Visitation

Table 5.1.2. Healthy live animals used for pre-clinical training *(animal handling, physiology, animal production, propaedeutic, ..)*

Species	2016-2017	2015-2016	2014-2015	Mean
Cattle	40	140	180	120,0
Small ruminants	50	50	100	66,6
Pigs				
Companion animals				
Equine	25	15	40	26,6
Poultry and rabbits and exotic pets	15	15	30	20,0

Table 5.1.3. Number of patients seen intra-murally***(in the VTH)***

Species	2016-2017	2015-2016	2014-2015	Mean
Cattle	-	-	-	-
Smallruminants	-	-	-	-
Pigs	-	-	-	-

Companionanimals	5400	5350	5250	5333,33
Equine	-	-	-	-
Poultry and rabbits and exotic pets	480	480	480	480,0
Species				

Table 5.1.4. Number of patients seen extra-murally***(in the ambulatory clinics)*

Species	**2016-2017**	**2015-2016**	**2014-2015**	**Mean**
Cattle	-	-	-	-
Smallruminants	1800	1800	1800	1800,0
Pigs	-	-	-	-
Companionanimals	-	-	-	-
Equine	600	550	537	562,3
Poultry and rabbits and exotic pets				

Table 5.1.5.Percentage (%) of first opinion patients used for clinical training *(both in VTH and ambulatory clinics, i.e. tables 5.1.3 & 5.1.4)*

Species	**2016-2017**	**2015-2016**	**2014-2015**	**Mean**
Cattle				
Smallruminants				
Pigs				
Companionanimals				
Equine				
Poultry and rabbits and exotic pets				

Table 5.1.6. Cadavers used in necropsy

Species	**2016-2017**	**2015-2016**	**2014-2015**	**Mean**
Cattle	112	139	156	135,6
	87	69	73	76,3
Pigs	161	152	121	144,6
Companionanimals	-	-	-	-
Equine	-	-	-	-
Poultry and rabbits and exotic pets	480	480	480	480,0

Table 5.1.7. Number of visits in herds/flocks/units for training in Animal Production and Herd Health Management

Species	**2016-2017**	**2015-2016**	**2014-2015**	**Mean**
Cattle	127	124	149	133,3

Smallruminants	21	28	16	21,7
Pigs	26	34	58	39,3
Companionanimals				
Equine				
Poultry and rabbits and exotic pets	7	8	8	7,7

Table 5.1.8. Number of visits in slaughterhouses and related premises for training in FSQ

Species	**2016-2017**	**2015-2016**	**2014-2015**	**Mean**
Ruminant'sslaughterhouses				
Pig'sslaughterhouses				
Poultryslaughterhouses				
Related premises**				
Others *(specify)*				

** Premises for the production, processing, distribution or consumption of food of animal origin

5.2. Comments

The main idea of the training programme strategy of the FVM is to develop medical intellection, thinking and logics. The educational programme is aimed for undergraduates to obtain theoretical knowledge and to solidify them during practice. The practical part of the programme consists of students' ability to examine the patient, to hold differential diagnostics, to detect symptoms and to diagnose the case. The significant component of the programme is intra-mural treatment of productive and non-productive animals in the VTH

5.3. Suggestions for improvement

To master clinical skills on productive animals, the Academy must have a training farm, where it would be possible to curate ill animals (equine, cattle and small ruminant). It is also important to improve the diagnostic base through getting up-date diagnostic equipment, formatting operating rooms for large animals to conduct training manipulations and operations with students assistance.

6. Learning resources

6.1 Factual information

The chief task of the Academy library is to secure the informational support of the academic process and research in the Higher Education Establishment . It may meet all sorts of needs, including individual, group and mass service as well as work with electronic resources.

6.1.1. Description of the main library of the Establishment

-) staff (FTE) and qualifications

There are 8 full-time employees at the library (a director, two departmental heads and five library assistants).

The staff is university-trained and upgrade their professional skills regularly.

-) opening hours and days

The academy library is open from Monday to Friday between 8a.m. and 6 p.m. except national holidays. The reference room is open between 8 a.m. and 6 p.m. on weekdays and between 9 a.m. and 2 p.m. on Saturdays.

-) annual budget

The annual budget of the library from special Academy funds is €15 714.

-) facilities: location in the campus, global space, number of rooms, number of seats

The Library is located in the Academy central building on the 2^d and 3^d floor and occupies a total area of about 878 m^2, divided into the following sections:
a reference room, which can be used as a multipurpose room, a bureau of scientific literature , a bureau of educational literature and a bureau of fiction and bibliographic bureau with the total area (554,4 m^2; 145 reading seats) and there is also a storeroom (323,6 m^2).

-)number of computers, number of electrical connections for portable PC, available software for bibliographical search

There are 13 internet-connected computers and 3 copiers.

The official site of the Academy contains a page “Library” for bibliographic search in the “ IRBIS 64” programme electronic catalogue.

-)number of veterinary books and periodicals; number of veterinary e-books and e-periodicals; number of other (e)books and (e)periodicals

The library collection contains 545 946 volumes including scientific, instructional materials, foreign and reference books. There are up to 500 monographs, course books and other instructional materials in the core subjects written by the Academy scholars among them.

Table6.1.1. The number of copies of publications of different types

Type of publication	Number of copies
Scientific literature	348 878
Instructional materials	103 535
Fiction	17 196
Foreign books	72 470
E-books	3 876

Table 6.1.2. The number of periodicals and veterinary books

Types of publications	Number of copies
Veterinary books	627 153
Periodicals	18 619
Veterinary e-books	1 837
E-periodicals	74

Electronic databases are used at the Academy. On the 1st April 2017 a contract was concluded for a national subscription to index and full-text resources of Web of Science Core Collection, a project supported by the Department of Education of the Russian Federation. The National Electronic Library which plays a great role in the development of modern iblio-informational infrastructure has been available to the users at the Academy since 2015.

For several years the Academy has been a subscriber to an e-library system “Лань” (https://e.lanbook.com/books) and to “Юрайт” (https://biblioonline.ru/) and “Bibliocomplectator”(http://www.bibleocomplectator.ru/) since 2015. To provide for the academic(teaching-learning) process and research “Konsultantplyus” judiciary-reference system has been made available. There is unlimited access to the archives of different scientific journals in Scientific e-library (eLIBRARY.RU) and mass media information on Polpred.com, Obzor SMI portal.

6.1.2. Description of the subsidiary libraries (if any) There are agreements with the libraries of the Kazan Federal University, the Kazan State Technical University, the Kazan State Agricultural University, the Novosibirsk State Agricultural University, etc.

6.1.3. Description of the IT facilities and of the e-learning platform (dedicated staff, hardware, software, available support for the development by staff and the use by students of instructional materials)

Software licensing is a routine practice. Conditions are created in the reading room for using computers, working both with electronic resources of the Academy library and the Internet. Since 2016 final qualifying works are placed in the e-library system

IPRbooks on the VKR-VUZ.RF platform to check them on the share of “borrowings”. “Antiplagiat. VUZ”(https://ksavm-senet.antiplagiat.ru/).system is used to check articles and scientific qualifying works.

The library started the formation of the information base of its own in 2009 with the acquisition of automatic IRBIS programme. With the help of this programme the incoming flow of documents is processed and analysed. Today the electronic catalogue contains over 32 000 representations, being a bibliographical information database for different types of sources (books, journals, instructional materials, dissertation abstracts, dissertations /thesis/, electronic publications, analytical descriptions of articles from scientific journals and research papers collections). Publications of the Academy research workers are provided with full bibliographic information. The number of users looking for publications in the electronic catalogue and making requests with its help is on the rise. The creation of “Chitatel”(“ The reader”) database on the basis of the thedean”s offices information concerning all full-time students is under way. Corrections in accordance with the students” transfer rulings are introduced and the users are reregistered. The database also contains the information about the technicians, postgraduates and the academics. Database representations rely on the information offered by the staff office.

The amount of resource on digital media continues to increase. The database of e-books and video materials is replenished. E-books are in the PDF format, each provided with reference.

6.1.4. Description of the available electronic information and e-leaning courses, and their role in supporting student learning and teaching in the care curriculum

In the electronic environment of the Academy one can find instructional materials that can be used for seminar or practical class preparation which are easily accessible to any student at the Academy

6.1.5. Description of the accessibility for staff and students to electronic learning resources both on and off campus (Wi-Fi coverage in the Establishment and access to Virtual Private Network(VPN))

The staff and students have access to the Internet via wired LAN in all the classrooms, lecture rooms, rooms for self-learning, the reading hall, etc.

There are Wi-Fi points in the reading hall (the main building)and in the other buildings, but the speed is rather low today.

6.1.6. Description of how the procedures for access to and use of learning resources are taught to student

The library organizes the information of both the Academy staff and the students about the available electronic resources. From the very start, as the 1st –year students” groups are formed, a member of the staff is put in charge of each. This

supervisermeets the group regularly to discuss all sorts of problems, the use of learning resources among them. The students get to know that every registered user can work with the electronic library resource outside the Academy with the help of login and password which every member of the staff and student has. It is usually the professor who recommends a particular ELS system. One can find the latest library news as well as the information about recent publications on the Academy site.

6.1.7. Description of how and by who the learning resources provided by the Establishment are decided, communicated to staff, students and stakeholders, implemented, assessed and revised

Periodicals are subscribed to and instructional materials are purchased as recommended in the State Educational Standards and on the requests of Faculties and Departments of the Establishment. Twice a year they are submitted in a written form for approval to the Academy authority .

The library fund tends to increase and is compiled in accordance with the Federal state Educational Standard, tasks of the teaching-learning process and aims of research work at the academy. The information concerning all the publications is reflected both in electronic and traditional catalogues.

6.2 Comments

The library possesses a sufficient amount of informational resource in veterinary and other fields related to medicine and agriculture .

The library fund displays a tendency for steady growth and is compiled to meet the needs of the academic process and scientific research.

Access to electronic library environment and the site of the Academy is open from anywhere in the world (you should only have the registration).

6.3 Suggestions for improvement

1. To install a server programme that presents a single interface which makes possible a simultaneous search in all informational electronic resources of the library from the local network and the Internet , adding references to display documents with the help of login and password.

2. To introduce viewing new acquisitions using transition from widget “NovinkiEBS”and “Postupleniya” to search results in the electronic catalogue. Widgets for the site are formed with the help of Web-IRBIS search algorithm.

3. To automate the process of circulation.

4. To purchase new scanning equipment and to start digitization of documents.

5. To install a new copier in the reading hall and to provide tools to work with laptops and mobile devices.

7. Student admission, progression and welfare

7.1. Factual information

7.1.1. Description of how the educational programme proposed by the Establishment is advertised to prospective students

The Academy provides exact information on the educational program in mass media. TV, radio broadcast and also on the official website of the Academy (казветакадемия.рф).

7.1.2. Description of the admission procedures for standard students:

-) selection criteria

Applicants having education of appropriate level (Certificate of Secondary Education, Certificate of Secondary Professional Education or Certificate of Higher Education) are allowed to master educational programs of the Academy.

Applicantsare enrolled within the frame of controlled figures set by the Federal budget (standard students) and full fee students studying on the base of commercial contract between the Academy and the entrant.

The applicant provides application with attached demanded documents to the Selection Committee.

The Academy conducts its own entering exams on Mathematics, Russian language and Biology in the form of test. The results are evaluating in accordance with Integrated State Exam score-rating system on 100-points scale or the applicant can supply the Results of Integrated State Exam got at school and this document is also competitive. The admission grade is fixed annually. For 2017 it was 250 points for the FVM.

-) policy for disable and ill students

The state allocates 10 percent of the budgetary places for disable and ill students. They have to submit the certificate confirming the disability. Applications are managed following the same criteria as for the rest of students. They study in accordance with general curriculum or an individual curriculum is managed if there is a demand . Their training is carried out by the same criteria, as for other students. The integration into the educational and social process is under carefull control of the dean's office..

-) composition and training of the selection committee

The Selection Committee consists of the Chairman, secretary and representatives appointed by the Rector. The members of the Committee fulfill their responsibilities due to the instructions.

-) appeal process

Unsuccessful applicants and those who disagree with their grade can lodge their appeal to the Selection Committee. The appeal should be lodged the day when the grade is announced or the next day after the exam.

The appeal is considered not late than next working day after appealing.

-)advertisement of the criteria and transparency of the procedures

The standard admission procedure is fully advertised and transparent. All the information is published on official website.

7.1.3. Description of the admission procedures for full fee students*(if different from standard students)*

The procedure of enrollment of students with full fee has the same criteria as the standard students.

7.1.4. Description of how the Establishment adapts the number of admitted students to the available educational resources *(facilities and equipment, staff, healthy and diseased animals, material of animal origin)* and the biosecurity and welfare requirements

Annually the Academic Council submits the prospective number of students to the Ministry of Education to consideration. The number of students admitted per year is strictly limited. The total number of admissions is mainly based on the available facilities and academic staff. Moreover the demand for veterinarians on the labour market is monitoring .

7.1.5. Description of:

-)the progression criteria and procedures for all students;

The quality of students' progression is defined by the controlling assessment complex including current control. Interterm control is conducted in the form of oral tests, exams, presentation of term papers and projects, reports of practice in accordance with approved Regulation.
Students cannot present their Graduation Thesis until they have passed all the subjects of the Degree.

-) the remediation and support for students who do not perform adequately;

The results of Midterm Validation on all subjects are analised by the Head of Departments and for the students, who don't perform adequately, additional lectures and practicals are scheduled. Within such lessons teacher together with a student work at sophisticated material more particularly.

Students, who have academic debts, are given the opportunity to work off the debt according to the schedule provided by the Department. For this aim the academic staff has a specific tutoring schedule in the value of sixteen hours per week.

-)the rate and main causes of attrition;

The average attrition rate within 3 last years is 14,1 %. Mostly the academic results have the influence on the attrition. The higher the percentage of academic failure is so more the probability to be deducted.

-)the exclusion and appeal procedures;

Students are allowed to take an exam if they do not have academic debts on lectures and practicals.

Inadequateresults of Midterm Validation on one or several subjects are considered as academic debt. Students, who have academic debts are given the opportunity to repass the Midterm Validation for the second time (First trial Validation). If a student has not got adequate results, he is suggested to pass the Validation one more time (Second trial Validation). Those, who fail for the third time are sent down from the Academy with Rector's Order.

-) the advertisement to students and transparency of these criteria/procedures

All procedures, mentioned above, are communicated to students by the mentor of a group and are available on official website.

7.1.6. Description of the services available for students (i.e. registration, teaching administration, mentoring and tutoring, careers advice, listening and counselling, assistance in case of illness, impairment and disability, clubs and organisations,..).

There are different available services for students of FVM. They are coordinated by the Vice Rector's Deputy on pastoral work of the Academy.

. Students Association.
It helps newcomers and undergraduates to integrate into students life and support them if they have problems concerning academic process, social or finance issues. It also deals with planning and organising leisure or sport events and financial rotations allocated for these purposes.

Students can convey their needs directly to the Office of the Vice-Dean for Students.

Students Club is another important source of orientation. The purpose of the Students Club is to facilitate creative activities of students inviting undergraduates to join dancing or dramatic club, music band, sports (volleyball, football, wrestling etc.) and

students media centre.

Students Security Committee helps to maintain order on the territory of the Academy. The Committee also initiate meetings in the form of discussions with representatives of police, migration and other authorities for students to be informed on the issues of migration policy, terrorism, ethnic conflicts.

Students Scientific Society.

Profiled Departments have Students Scientific Societies, the purpose of which is to involve undergraduates in research activity and make them aware of the importance of evidence-based medicine. Undergraduates make their first steps in science methods.

Committee of International Affairs and Academic Mobility provides information and support on different national and international exchange programmes.

7.1.7. Prospected number of new students admitted by the Establishment for the next 3 academic years

According to the document approved by the Ministry of Education and Science of the Russian Federation on the Degree in Veterinary, the estimated number of admission places for new students for the next 3 academic years will slightly increase.

7.1.8. Description of how *(procedures)* and by who *(description of the committee structure)* the admission procedures, the admission criteria, the number of admitted students and the services to students are decided, communicated to staff, students and stakeholders, implemented, assessed and revised

The admission procedures and the admission criteria are common for all students in the Academy and are established by the Ministry of Education and Science of the Russian Federation. The number of admitted applications and the enrolled applicants is estimated and approved by the Council of selection committee.

The information is communicated through the official website of the Academy.

Table 7.1.1. Number of new veterinary students admitted by the Establishment

Typeofstudents	2016-2017г.	2015-2016	2014-2015
Standardstudents	180	180	180
Fullfeestudents	23	25	21

Total	203	205	201

Table 7.1.2. Number of veterinary undergraduate students registered at the Establishment

Yearofprogramme	**2016/2017**	2015/2016	2014/2015
First year	180	180	180
Secondyear	173	168	174
Third year	180	169	139
Fourth year	132	126	140
Fifth year	117	119	124
Total	782	779	783

Table 7.1.3. Number of veterinary students graduating annually

Type of students	**2016/2017**	2015/2016	2014/2015
Standard students	116	106	121
Full fee students	1	1	1
Total	117	107	122

Table 7.1.4. Average duration of veterinary studies

No	**Duration**	**% of the students who graduated on 2016/2017**
1	5+0 **	**92,4**
2	5+1	**0**
3	5+2	**1,1**
4	5+3	**3,8**

** The total duration of the studies matches the minimum number of years of the programme (e.g. 5 or 6 years)

Table 7.1.5. Number of postgraduate students registered at the Establishment

Programmes	**2016/2017**	**2015/2016**	**2014/2015**	**Mean**
Interns				
Residents				
PhD students	13	15	17	15
Others				

7.2. Comments

The number of the enrolled and graduated students is yearly analyzed. Though the training programme of the Academy has high demands, the training attrition percentage is low.

7.3. Suggestions for improvement

It woud be desirable to install a uniform control electronic system of the students admission connecting all veterinarian establishments for the foolowing critical analysis of society demmands in veterinarians.

More attention should be paid to popularization of veterinary science in schools and lyceums.

8. Student assessment

8.1. Factual information

The student assessment is considered as an integral part of the learning process. It is decided by the same boards involved in teaching planning and the Faculty Council annually approves it.

Teachers use the following methods to assess the knowledge of students: day-to-day activity of students in the classroom, self-study, written tests to determine the theoretical knowledge of students, tests and exams to assess theoretical knowledge and practical skills.

8.1.1. Description of the global student's assessment strategy of the Establishment

The student assessment includes:

- current assessment;
- midterm assessment (Midterm Examination);
- final (State Final) Validation.

The current control provides an assessment of subjects and internships progress.
Midterm assessment provides an assessment of the training intermediate and final results and practice.
The Final State Validation is conducted by the State Examination Boards to determine whether the results of mastering the basic educational programs correspond to the requirements of the Federal State Educational Standard.

The schedule of the exams is notified to the teachers and students no later than 2 weeks before the exams. The schedule is established in such a way that at least 3 days are allocated for preparation for examinations for each discipline. When appearing for exams, the student must have a student achievement sheet, which he presents to the examiner at the beginning of the exam. Examinations are conducted on exam papers in oral or written form.

Positive assessments are recorded in the exam protocol and student's achievement book, an unsatisfactory grade is entered only in the examination protocol. When preparing for an oral exam, the student fills in a training sheet, which is passed to the examiner. A preparation sheet can be considered in case of submitting an appeal from the students. Examination in the form of written work is performed under the supervision of the examiner. The exam lasts no less than two, but not more than three academic hours.

The assessment of students' knowledge, showing the partial or complete formation of competences, is carried out in the form of performance appraisal score-rating system on 100-point scale. The assignment of point is as follows: 40 points – according to

the results of contact work with students, 30 points – Midterm Examination, 30 points – midterm assessment. Points scored by the students for a semester are converted into marks “excellent”, “good”, “satisfactory”, and “unsatisfactory”

The results of each attestation test are determined by evaluations of "excellent", "good", "satisfactory", "unsatisfactory". Evaluations "excellent", "good", "satisfactory" mean a successful passing of the validation test.

8.1.2. Description of the specific methodologies for assessing:

-) theoretical knowledge;

Assessment of theoretical knowledge is mainly based on written exams, written control, oral interview and testing.

-) pre-clinical practical skills;

Assessment of preclinical practical skills is mainly based on oral presentations (protection of report diaries), by practicing practical skills using healthy, sick animals, animal corpses, pathological material and mannequins.

-) clinical practical skills

Assessment of clinical practical skills is performed in practical skills exams, which is an admission to the final certification.

8.1.3. Description of the assessment methodology to ensure that every graduate has achieved the minimum level of competence, as prescribed in the ESEVT Day One Competences

“Day One” Competences are being mastered gradually in the course of grasping the disciplines according to the curriculum. Students take an active part in the work of therapeutic and counseling center, that facilitates the clinical practical skills acquisition, as well as the ability to work in a team with teachers, practicing veterinarians and others (students, postgraduate students).Students in the process of learning in clinics work out the patient’s medical history, that allows the teacher to male an analysis and give recommendations on diagnostic and therapeutic activities.

8.1.4. Description of the processes for:

-)ensuring the advertising and transparency of the assessment criteria/procedures;

Regulation on students current assessment, midterm validation and results ofthe appraisal score-rating system are posted on the official website of the Academy.

In the electronic information and educational system, the educational process, the results of the midterm certification and the results of mastering the basic educational program are fixed.

-) awarding grades, including explicit requirements for barrier assessments;

The criteria for evaluating marks of "excellent", "good", "satisfactory", "unsatisfactory" for each discipline are described in the Funds of Evaluation Means of Disciplines, which includes variety of tests, tasks, questions required to verify the mastery of competences; they are located in the Electronic Information System of Educational Environment, the access to which is provided to each student.

-) providing to students a feedback post-assessment and a guidance for requested improvement;

After midterm evaluation, students are explained the degree of mastering the competencesand given recommendations how to improve them.

-) appealing

Students after the midterm assessment are given an explanation of the degree of mastery of competences and recommendations for improving them.

According to the results of the examination, the student has the right to submit a written appeal addressed to the Dean's name about the violation of the established procedure for conducting the examination and (or) disagreement with its results.

The Appeal Commission consists of the Head of the Department, the examiner and the teacher of the department. If necessary, the commission may include a representative of the Dean's office. In case if it is an examination in written form, the student can cast a look on his work in the presence of the Head of the Department and the examiner. In case of an oral examination, the student's oral answer sheet is considered. Consideration of an appeal is not a retake of the exam. During the consideration of the appeal, only the correctness of the results of the exam evaluation is checked.

The Appeal is submitted by the student individually on the day of the assessment of the exam. The consideration of the appeal is held within the same day. A student has the right to be present when the Appeal is being reviewed. After consideration of the appeal, The Appeal Committee makes the conclusion about the evaluation of the exam (both in the case of improvement of grade or its decrease, or living it without any changes).

In case of dissent between the members, the Appeal Commission holds a vote and its decision is assumed by a majority vote. The decision of the Appeal Commission formalized by the protocol is communicated to the student.

8.1.5. Description of how and by who the student's assessment strategy is decided, communicated to staff, students and stakeholders, implemented, assessed and revised

The Regulation on the students' current assessment and midterm examination and the appraisal score-rating system is developed by the Dean's office and submitted for approval to the Academy Council, then posted on the site. It can be revised as Federal laws, Regulations of the Ministry of Education are changed

8.2. Comments

The learning assessment scheme developed by the Academy allows students to receive constant information about academic progression during the academic term and makes it possible to improve their score before the midterm attestation.

8.3. Suggestions for improvement

The assessment of clinical skills obtained by students in accordance with Day One Competences should be strengthened.

9. Academic and support staff

9.1. Factual information

Academic staff consists ofone hundred and eight employees who have a degree of the Candidate or Doctor of Science. Post-graduate students who study in academy aren'tincluded the specified number of employees.

The number of researchers, invited lecturers and practicians is four and they also have a degree of the Candidate or Doctor of Science.

All employees have the corresponding work experience, education and meetthe qualification requirements.

Research staff consists of two persons and they rule the scientific laboratories, whose main task is to pursue research. Meanwhile they the research staff take part in the training process.

Support staff consists of two hundred and ten employees, dealing with administrative, teaching, research responsibilities and take care of facilities, equipment and animals.

Permanent staff consists of three hundred and eighteen employees who have permanent contract with the Academy and their activity is paid from the main source of finance (Federal budget).

Ratios:

a. teaching staff/ undergraduate students

No. of teaching staff/No. of undergraduate students = 98/857.6 = 1/8.8

b. teaching staff/support staff

No. of teaching staff/No. of support staff = 98/210 =1/2.1

9.1.1. Description of the global strategy in order to ensure that all requested competences for the veterinary programme are covered and that staff are properly qualified and prepared for their roles *(e.g. good teaching and assessing practices, knowledge of up-to-date (e-)learning resources, biosecurity and QA procedures)*

To be promoted to a new position, Academy teachers must be highly-qualified and competent to start their responsibilities in accordance with the veterinary programe.

Designation to a post is made accordingly to the level of qualification and qualification demands.

Qualification requirements are approved by the Ministry of Health Care and Social Development of the Russian Federation (the Regulation 1н on 11 January 2011, Moscow).

Qualification requirements:

- Assistant, Teacher: high specialised education, work experience in the educational Establishments not less than 1 year and the post graduate education (post graduate training, residency training) or Degree of Candidate of Science without requirement to work experience;

- **Senior lecturer:** high specialised education, work experience in the educational Establishments not less than 1 year and the post graduate education (post graduate training, residency training) or Degree of Candidate of Science without requirement to work experience;

- Associate Professor: high specialised education, Degree of Candidate of Science or Dr. of Science, work experience not less than 3 years or academic title of Associate professor;

- Professor: high specialised education, Degree of Dr. of Science, work experience not less than 5 years or academic title of Professor.

9.1.2. Description of the formal programme for the selection, recruitment and training to teach and assess students (including continuing education) of the academic staff

Academic staff is to take a competitive examination in which level of qualification, education, work experience, research and management activities are evaluated. Moreover special terms, regulated by the Law of the Russian Federation have to be followed. The employee provides the Certificate of his/her health and the Certificate of absence or existence of criminal record.

If there is a necessity for the temporary positions, the Academy can hire an employee on the base of Contract.

9.1.3. Description of the formal programme for the selection, recruitment and training to perform their specific duties (including continuing education) of the support staff

The selection and recruitment of support staff directly depends on the Rectorate, which decides its number depending on the estimation presented by HR Department report and should be approved by Rector of the Academy.

9.1.4. Description of the formal programme for the appraisal, development, promotion criteria and procedures, supporting and mentoring of both academic and support staff

Permanent academic staff is to undergo the Validation every 5 years to prove their professional qualification. The Validation is held by the Committee of Training process and QA. Positive results allow to continue working at the same position or get on with new one.

To evaluate the effectiveness of the staff, the score-rating system has been implemented and is held one time at the end of semester. If the rate is high, it is reflected in bonus payment.

9.1.5. Description of the formal rules governing outside work, including consultation and private practice, by staff working at the Establishment

There are no formal rules governing outside work. The all staff have the right to perform it, including consultation and private practice, being out of duty.

9.1.6. Description of the formal programme of the Establishment for the assessment of teachers by students and its outcome

Students are proposed to fill in the Questionnaire, which helps to reflect the students' attitude both to the teacher particularly and to the quality of training in general. The results are thoroughly evaluated by the Committee of Training process and QA, the Dean and Vice-Rector of Education and Pastoral Work as surveys conducted by the students are essential elements for the assessment of the academic staff.

9.1.7. Prospected number of FTE academic and support staff of the veterinary programme for the next 3 academic years

The number of academic staff is directly bound to the number of undergraduates. If the tendency of increasing the undergraduates number is observed, the percentage of academic staff will grow up proportionally.

Accordingly to the Regulation of Government № 234 on 17 March 2015, the growth

of academic staff is not expected.

9.1.8. Description of how *(procedures)* and by who *(description of the committee structure)* the strategy for allocating, recruiting, promoting, supporting and assessing academic and support staff is decided, communicated to staff, students and stakeholders, implemented, assessed and revised

The Rectorate of the Academy provides an annual plan of actions for the recruitment, stabilisation and promotion of staff. The plan is designed on the base of the number of students, subject, which is approved by the Academy Council.

The Human Resources Committee (HR Committee) is engaged in turnover of staff and it is approved by the Rector.

Assessment of academic and support staff work is reflected in annual report of the Head of Committee of Educational Work and is evaluated and approved by the Academy Council. All reports are placed on the official website of the Academy.(http://казветакадемия.рф/about/uch_sovet/)

Table 9.1.1. Academic staff of the veterinary programme**

Typeofcontract	**2017-2018**	**2016-2017**	**2015-2016**	**Mean**
Permanent (FTE)	98	98	98	98
Temporary:				
Interns (FTE)	-	-	-	-
Residents (FTE)	-	-	-	-
PhDstudents (FTE)	-	-	-	-
Practitioners (FTE)	-	-	-	-
Others*(specify)* (FTE)	-	-	-	-
Total (FTE)	98	98	98	98

* The last full academic year prior the Visitation

** All staff included in this table must have received a training to teach and to assess undergraduate students. Practitioners involved with EPT are not included in this table.

Table 9.1.2. Percentage (%) of veterinarians in academic staff

Typeofcontract	2017-2018	2016-2017	2015-2016	Mean
Permanent (FTE)	86,2	88	90	**88,1**
Temporary (FTE)	-	-	-	-

Table 9.1.3. Support staff of the veterinary programme

Typeofcontract	2017-2018	2016-2017	2015-2016	Mean
Permanent (FTE)	210	210	210	210
Temporary (FTE)	-	-	-	-
Total (FTE)	210	210	210	210

Table 9.1.4. Research staff of the Establishment

Typeofcontract	2017-2018	2016-2017	2015-2016	Mean
Permanent (FTE)	2	2	2	2
Temporary (FTE)	-	-	-	-
Total (FTE)	2	2	2	2

9.2. Comments

The Ministry of Education and Science of Russian Federation cuts the recruitment of budget sector. As a result, new academic staff has not been hired.However, the current academic and support staff is highly qualified, motivated and experienced and the ration student-to-teacher is adequate in FVM. The FVM has the high percentage of veterinarians among the teaching staff.

Some of our teachers are members of different Expert Committees.

9.3. Suggestions for improvement

It might be well to give the VTH the opportunity to recruit the clinical and technical staff from its budget and at its own discretion.

10. Research programmes,continuing and postgraduate education

10.1.Factual Information

10.1.1.Description of how the research activities of the Establishment and most academic staff in it contribute to research-based undergraduate veterinary education

89,4% of academic staff has the scientific Degree and actively carry out the researches. Involving students in research activities is the important part research-based preparation. The major Departments have scientific groups, where Professors, Associate Professors conduct scientific experimental researchesin collaboration with students. On the base of the received results, students present scientific thesis of the reports, abstracts at national and international symposiums and conferences.

Graduation thesis which all the fifth-year students are to write and defend contains experimental study or laboratory experiment or clinical study; the final paper is written by the student independently under the supervision of aProfessor/Assistant Professor in charge; the thesis is publically defended in the presence of the Examining Board, consisting of most distinguished Professors.

10.1.2. Description of how the postgraduate clinical trainings of the Establishment contribute to undergraduate veterinary education and how potential conflicts in relation to case management between post- and undergraduate students are avoided

During their pedagogical practice post graduates come in contact with undergraduates. The students are usually involved in postgraduates' scientific research helping them with the experiments. Thus they gain the experience and develop practical skills. The most hardworking and promising of the students continue this work as postgraduates which is helpful in writing their own thesis in due time.

10.1.3.Description of how undergraduate students:

-)are made aware of the importance of evidence-based medicine, scientific research and lifelong learning

A student's professional outlook is largely shaped

a) in the course of his/her communicationwith the teacher at a lecture, practical or laboratory class where students are motivated to do research work;

b) at the scientific-practical seminars and conferences; a student analyseshis work to see how important and urgent it is; public speaking inside and outside the academy enhance a student's growth as a professional and as a personality; questions asked after the speech disclose how much prepared he is in his particular field of research;

c) every year late in March, an International Scientific –practical Student's Veterinary Conference is held, where any student is free to participate; after the conference a journal with the students' articles is published; a similar conference is held for young scientists, post graduates, national and international veterinary students from all over the country. 224 articles written by the Academy scientists in cooperation with young scientists were published in 2017;

d) writing a graduation thesis(60 pages, supplied with bibliographical references).

-)are initiated to bibliographic search, scientific methods and research techniques, and writing of scientific papers

At the beginning of the academic year all first-year students are taught the correct way to conduct bibliographical search at a seminar organized by the library staff. Later, as the students start their degree and specialization subjects, they further improve these skills when they write papers, reports, graduation thesis, etc.

-)are offered to participate in research programmes on a non-compulsory basis

Students are enrolled in research work outside the curricular framework in the following way:

-by means of a visual example through teacher –student contact (as it has already been described ;

-holding seminars and contests at different levels encouraging participation by prizes, different grants-with the help of advertisement in the mass media, the Internet and open seminars.

10.1.4. Description of how the continuing education programmes provided by the Establishment are matched to the needs of the profession and the community

To raise the academic standards of the Academy staff, young research workers, postgraduates and students practicing specialists are invited from Russia and abroad to conduct open seminars and master classes.

Under the agreement between the Academy and the Scientific Research Centre of Biotechnology and Medicine (Germany) a master class on horse diseases with participation of Dr. Dirk Barnet is conducted annually. Not only the teaching staff, postgraduates and students of our academy take part but also specialists from horse-breeding farms came for practical experience.The teaching staff also have a chance to continue education in other Higher Educational Establishments and researchcentres that have agreements with the Academy.

10.1.5. Prospected number of students registered at postgraduate programmes for the next 3 academic years

In the near future the Academy is launching two new master degree programmes ("Animal Husbandry" and "Food Science and Technology"), so the increasing number of graduates is expected: by 5 per cent in 2018, by 10 per cent in 2019 and by 20 per cent in 2020.

10.1.6. Description of how and by who research, continuing and postgraduate education programmes organized by the Establishment are decided, communicated to staff, students and stakeholders, implemented, assessed and revised

The Academy offers a full-time post graduate course and other degree oriented programmes to train researchers and the teaching staff.

Under the Federal State Educational Standards, authorized by the Ministry of Education and Science of the Russian Federation researchers and teaching staff training covers two research areas comprising ten programmes/ profiles/:

06.06.1Biological sciences

Programme/profile/:

-Biochemistry,

-Physiology;

36.06.01 Veterinary Science and Animal Husbandry

Programme/profile/:

-Diagnosis of animal diseases and animal therapy,pathology, oncologyand animal morphology;

-Veterinary microbiology, Virology, Epizootology, Mycology with Mycotoxicology and Immunology;

-Veterinary pharmacology withtoxicology;

-Veterinary surgery;

-Veterinary sanitation, animal sanitation and veterinary inspection;

-Veterinary obstetrics and animal reproduction biotechnology;

-Breeding ,selection,genetics and reproduction of farmed animals;

-Special animal husbandry, livestock products production technology;

Scientific topics are to be discussed and approved by researchersin relevant departments andthen approved by the Academy Board

Postgraduates` curricula are designed by relevant departments,approved by the postgraduate department and authorized by the Academy Board of the Establishment. Academic and practice curricula in all subjects are annually updatedand housed on the e-library and web site of the Academy.

There is a three-year 6489 h. (180 U.C.) and a four-year 8640 h. (240 U.C.) full-time postgraduate programme. There is no part-time postgraduate programme. The course comprises four blocks:
Block 1. The basic part (Foreign Language, History of Philosophy of sciences) and options (subjects relevant to the degree).
Block 2. Practice courses. Pedagogical practice and research practice.
Block 3. Research.
Block 4. State final assessment (preparing for the exam and taking it; presenting a report on the main results of the scientific thesis).

Postgraduates who pass their state final assessment successfullyare awarded a “Researcher. Researcher-Teacher Diploma” and a Conclusion of the Establishment about the result of scientific work presentation. After that the postgraduate course leavers (competitors) present the Conclusion of the Establishment and the thesis to the relevant Dissertation Councilfor public defense of the Candidate of Science thesis. The competitor defends his thesis in the Dissertation Council authorized by the SupremeAttestation Committee(SAC) of the Russian Federation with the participation of professors and specialists in relevant fields.The competitor is

awarded the Candidate of Science degreeand after SAC approval he/she gets a Candidate of Science Diploma.

Research results are put into practice and used in educational process

Table 10.1.1. Number of students registered at postgraduate clinical training

Training:	**AY***	**AY-1**	**AY-2**	**Mean**
Interns:				
Companion animals				
Equine				
Production animals				
Others *(specify)*				

Table10.1.2. Number of students registered at postgraduate research training degrees

Number of students registered at postgraduate degrees in the last three years					
	Degree Programmes	2017	2016	2015	Mean
06.06.01 Biological sciences	Biochemistry	2	1	1	1.33
	Physiology	1	2	2	1.66

36.06.01 Veterinary science and animal husbandry	Diagnosis of animal diseases and animal therapy, pathology, oncology and animal morphology	1	1	2	1.33
	Veterinary microbiology, virology, Epizootology, mycology and mycotoxicology and immunology	3	4	4	3.66
	Veterinary pharmacology and toxicology	2	2	1	1.66
	Veterinary surgery	1	1	-	0.66
	Veterinary sanitation, ecology, zoo hygiene and veterinary-sanitary inspection	1	1	2	1.33
	Veterinary obstetrics and biotechnics of animal	-	-	1	0.33
	Breeding, selection, genetics and reproduction of farmed animals	1	1	1	1
	Special zootechnology, livestock products processing technology	1	2	3	2
Total **2**	**10**	**13**	**15**	**17**	

Number of postgraduates in in each year			Mean
In the first year	In the second year	In the third year	
13	14	20	16

Table 10.1.3. Number of students registered at other postgraduate programmes (including any external/distance learning courses)

Programmes: AY* AY-1 AY-2 Mean

Table 10.1.4. Number of attendees to continuing education courses provided by the Establishment

Course	2014-2015	2015-2016	2016-2017	MEAN
Veterinary pharmacy.	66	20	7	31
Laboratory sciences.	11	19	2	10.7
Small and exotic animal pathologies.	-	1	3	1.33
Veterinary pharmacology and toxicology.	-	-	1	0.33
Veterinary radiology.	-	-	6	2
Veterinary service management	-	-	2	0.66
"Mercury"subsystem course for doctors	212	246	-	152.7
Innovative ultrasound –assisted/guided reproductive technologies	-	22	22	14.7
Basics of record management in research activity	-	-	4	1.33
Veterinary and sanitary expertise	-	1	1	1.66
Parasitology and invasive animal diseases.	4	1	-	1.66
Innovative trends in beekeeping in the republic of Tatarstan"	31	21	-	17.3
Innovative trends in Hi-Tech dairy herd nutrition	32	-	=	10.7
Innovative technologies in high productive dairy herd reproduction	31	-	-	10.3
Teaching dairy farmers/cattle-breeders veterinary first-aid skills(in cattle production)	-	16	-	5.3
Teaching sheep- and goat-breeders veterinary first aid skills (in small cattle production)	-	29	-	9.7
Teaching horse-breeders veterinary first aid in (horse-breeding)	-	11	-	3.7
Modern trends in pond- and riverfish farming in the Republic of Tatarstan	-	26	-	8.7
Modern technics of diagnosing infectious and invasional diseases	-	-	47	15.7
Modern techniques of diagnosing viral diseases and serological diagnosis of infectious diseases	-	-	24	8
Radiometric andspectrometric methods of examination of	-	-	8	2.7
Running a laboratory in accordance with accreditationrequirements and criteria	-	-	3	1
Biochemical analysis of blood, animal feeds and biological objects	-	-	4	1,3
Modern methods of diagnosing mycoses and mycotoxicoses	-	-	2	0.7
Paramedicsand stockbreedersof agrofirms in the Republic of Tatarstan(retreat)."Theoretical and practical teaching ofveterinary first aid skills"		43	370	137,7
Programmes for teaching staffs of other agricultural and veterinary Higher Educational Establishments within the jurisdictionof the Ministry of Agriculture of the Republic of Tatarstan				
Environmentally sound and effective methods of diagnosing, treatment and prophylaxis of noninfectious animal diseases	3	2	-	1.7
Peculiarities of educational process in teaching "Physiology and	-	4	-	1.3

ethology of animals" and the tasks of the staff in training specialists				
Innovations and new technologies in teaching epizootology and infectious diseases of animals	2	2	-	1.3
Competence- and innovations-based principles in educational process and practical cattle breeding	-	1	-	0.33
Innovative techniques in raising the competence of the staff in pathological anatomy, veterinary medicine, histology	1	3	-	1.33
Modern technique and educational problems of the transfer of Agricultural production complex specialists' training to a two-tyre system.	-	1	-	0.33
Innovative approaches to studying age, species, breed and individual peculiarities with the aim of raising the teaching staff competence	1	1	-	0,66
Innovative teaching methods employingDNA-technologies and molecular genetic selection techniques	1	1	-	0.66
Mastering laboratory methodsof diagnosing infectious animal diseases	1	-	1	0.66
Moderneducational principles, competences and innovative achievements in theory and practicein teaching poultry farming	1	-	-	0,33
Forming professional competences in sanitary and veterinary expertise in the course of research-based educational process	3	-	3	2
Innovational methods in teaching "Biotechnology with the basics of genetic engineering".	2	-	-	0,66
Latest research and practice achievements in creation and study of new medicines in training specialists	1	-	-	0.33
The use of latest achievements in obstetrics and animal reproduction technology	2	-	-	0.66

Table 10.1.5. List of major funded research programmes in the Establishment which were on-goingduring the last full academic year prior to visitation

Research programmes	Scientific topic	Number of projects	Grant/year (€)	Duration
Regional programme	1.Development of new heterocyclic nitrogen compound- based antimicrobial and antimycotic drugs/agents 2.Development of innovative feed additive with therapeutic, preventive and growth stimulating effect for young farmed animals and for poultry	1	8 718,72	2017

	Developing PVMC (protein,vitamin, mineral concentrate) production method and research into its impact with previously administered "Provetex" innovative concentrate on milk productivity of lactating cows; the study of the effect of introducing PVMC with energy-dense high-protein concentrates into lactating cows" diet.	1	7 265,60	2017
Federal budget	Development of innovative medicines and biological feed additives for prophylaxes and treatment of metabolic diseases and raising the productivity of farmed animals	2	11 624,96	2017
Total			27 609,28	

10.2. Comments

The results of research activity of the members of the Academy staff are used both for production needs and academic purposes which contributes to broadening students' knowledge and in the final effect raising the educational standards of the Academy graduates.

10.3. Suggestions for improvement

Starting new Master Degree programmes ("Animal Husbandry" and "Agricultural Products Production and Processing Technologies").

11. Outcome Assessment and Quality Assurance

11.1. Factual information

11.1.1. Description of the global strategy of the Establishment for outcome assessment and Quality Assurance (QA), in order to demonstrate that the Establishment:

- has a culture of QA and continued enhancement of quality;
- operates ad hoc, cyclical, sustainable and transparent outcome assessment, QA and quality enhancement mechanisms;
- collect, analyse and use relevant information from internal and external sources for the effective management of their programmes and activities (teaching, research, services);
- informs regularly staff, students and stakeholders and involves them in the QA processes;
- closes the loop of the QA Plan-Do-Check-Act (PDCA) cycle;

The quality of education is evaluated by three structures: the Faculty council, the Committee of Training Process and Quality Assurance and the Academy Council.

The Faculty Council in cooperation with the Dean's office provide the report about the results of terms.

The Committee of Training Process and Quality Assurance is in charge to analyse the results of terms, to carry out the management and control of the qualityin accordance with the Federal Educational Standards of Higher Education, to sum up the information of internal and external experience in the relevant sphere and to draw up proposals for the quality efficiency to grow up.

The Academy Council considers and approves the regulatory documents to ensure the culture of QA.

With the aim to control and to increase the quality of education process the following procedures are held in the Academy:
- students' representatives are involved in the Faculty and Academy Councils;
-both students and the staff can send their claims to e-mail addresses of the Rector, the Heads of the Councils and also to the Head of the Committee of Training Process and QA. E-mails are indicated on the official web site (http://казветакадемия.рф/about/management/;)
-undergraduates and academic staff are offered to fill up questionnaire (more detailed mentioned in 9.1.6.)

Results are informed in the annual self-evaluating report on the web site of the Academy.(http://казветакадемия.рф/sveden/document/)

The strategy of Quality Assurance has been developed in the Academy implementation of QA is reflected in the p. 6.18, 6.19 of the Academy's Charter. For this purpose in the academy a Committee of Educational Work and Quality Assurance was established.

The Academy ensures the implementation of QA according to the Federal Regulationt on Education in the Russian Federation No. 273 of 29.12.2012.

11.1.2. Description of the form by which the strategy, policy and procedures are made formal and are publicly available (website, paper documents).

The availability of a strategy to ensure and control the quality of QA is provided by setting Federal and Local Regulations on the Academy's website (http://www.казветакадемия.рф),

11.1.3. Description of the regular publication of up-to-date, impartial and objective information, both quantitative and qualitative, about the educational programmes and awards the Establishment is offering.

Transparency and accessibility of information for teaching staff and students is an important element in ensuring the quality of educational activities. For this purpose, the Academy constantly updates information resources and ensures their accessibility to all participants of the educational process.

The Academy's website in the sections of the faculty (http://казветакадемия.рф/education/faculty/veterinarnoy_mediciny/documents/http://казветакадемия.рф/education/faculty/biotehnologii/documents/) contains **information** about:

- the level of education;
- forms of education;
- the description of the educational program (with the application of its copy);
- the curriculum (with a copy of it);
- annotation to the working programs of the disciplines (for each discipline as part of the educational program) with the application of their copies;
- the calendar study schedule with its copy attached;
- methodological and other documents developed by the educational organization to ensure the educational process;
- the educational programs being implemented, indicating the subjects, courses, disciplines (modules), the practices provided for the relevant educational program, and the use of these e-learning programs and distance educational technologies in the implementation of these educational programs;
- the number of students enrolled in educational programs at the expense of budgetary allocations of the federal budget, budgets of the constituent entities of the Russian Federation, local budgets and educational agreements at the expense of individuals and (or) legal entities;
- the material and technical support of educational activities, including:

- the availability of equipped classrooms, facilities for practical classes, libraries, sports facilities, training and education facilities;
- access to information systems and information and telecommunications networks;
- electronic educational resources, which provide access to students;
the employment of graduates;

copies of official documents:

- the charter of the Establishment;
- licenses for conducting the educational activities (with attachments);
certificates of state accreditation (with attachments).

11.1.4. Description of the QA processes not yet described in the other 10 Standards (with information on how (procedures), when (periodicity) and by who (committee structure) they are completed).

No additional information.

11.1.5. Description of how (procedures) and by who (description of the committee structure) the QA strategy of the Establishment is decided.

Changes made to the system of quality assurance and quality control are taken at the Academic Council and posted on the Academy's website.

11.2. Comments

After Independent Evaluation Expertise, training process quality on the programme “Veterinary” of the Academy was declared as the best in 2011,2013, 2014, 2017 and was published in the compilation album “The Best Training Programmes Of Inovative Russia.

In the Russian Federation, the Federal Service for Supervision of Education and Science through the accreditation of educational programs ensures the control of the quality of education (compliance of educational activities with federal state standards). The educational programs implemented in the Academy have the state accreditation.

11.3. Suggestions

There is a necessity of improving of e-learning, using the opportunities of the Electronic Information Educational System of the Academy.

12. EAEVE Indicators

12.1.Factual Information

	Calculated Indicators from raw data	Calculation*	FVM	Minimal	Balance
I1	n° of FTE academic staff involved in veterinary training / n° of undergraduate students	108/732	0,138	0,13	0,012
I2	n° of FTE veterinarians involved in veterinary training / n° of students graduating annually	98/115,3	0,850	0,59	0,260
I3	n° of FTE support staff involved in veterinary training / n° of students graduating annually	210/115,3	1,821	0,57	1,254
I4	n° of hours of practical (non-clinical) training	1260	1260,000	595,00	665,000
I5	n° of hours of clinical training	2570	2570,000	670,00	1900,000
I6	n° of hours of FSQ & VPH training	756	756,000	174,40	581,600
I7	n° of hours of extra-mural practical training in FSQ & VPH	32	32,000	28,80	3,200
I8	n° of companion animal patients seen intra-murally / n° of students graduating annually	5333/115,3	46,243	42,01	4,233
I9	n° of ruminant and pig patients seen intra-murally / n° of students graduating annually	-	-	0,46	-
I10	n° of equine patients seen intra-murally / n° of students graduating annually	-	-	1,30	-
I11	n° of rabbit, rodent, bird and exotic seen intra-murally / n° of students graduating annually	480/115,3	4,162	1,55	2,617
I12	n° of companion animal patients seen extra-murally / n° of students graduating annually	-	-	0,22	-
I13	n° of individual ruminants and pig patients seen extra-murally / n° of students graduating annually	1800/115,3	15,607	6,29	9,312
I14	n° of equine patients seen extra-murally / n° of students graduating annually	562,3/115,3	4,876	0,60	4,281
I15	n° of visits to ruminant and pig herds / n° of students graduating annually	194,3/115,3	1,685	0,55	1,138
I16	n° of visits of poultry and farmed rabbit units / n° of students graduating annually	7,7/115,3	0,066	0,04	0,022

I17	n° of companion animal necropsies / n° of students graduating annually	-	-	1,40	-
I18	n° of ruminant and pig necropsies / n° of students graduating annually	356,6/115,3	3,092	0,97	2,122
I19	n° of equine necropsies / n° of students graduating annually	-	-	0,09	-
I20	n° of rabbit, rodent, bird and exotic pet necropsies / n° of students graduating annually	480/115,3	4,162	0,69	3,469
I21*	n° of FTE specialised veterinarians involved in veterinary training / n° of students graduating annually	1/115,3	0,009	0,06	-0,055
I22*	n° of PhD graduating annually / n° of students graduating annually	14/115,3	0,121	0,09	0,033

*Average of the three last academic years

12.2 Comments

Data of animals examinations are recorded in Log books and report papers of students.Unfortunately, the lack of electronic registration system makes it impossible to systematize the information. However, pre-clinical and clinical training is adequate to indicators in general.

It is obviously seen, that more attention are given to patients seen extra-murallythan intra-murally in the Academy. Nowadays a mini-farm for15-20 animals is being built in the Academy to level the situation off. .

12.3 Suggestion for improvement

To increase and strengthen primary medical examination of patients both intra-murally and extra-murally

To organize the delivery of ill animals from entities to the VTH for treatment and curating. This will help to improve undergraduates clinical training. Later the recovered animal is to be returned to the owner.