Peoples' Friendship University of Russia

Agricultural Technology Institute

SUMMARY ACADEMIC DISCIPLINES

Educational program

Graduate school Veterinary medicine and animal science

Profiles:

06.02.01 "Diagnostics of illnesses and therapy of animals, pathology, oncology and morphology of animals"

Name of the discipline	**Anatomy and histology of animals**
Volume discipline	**_4__CU (__144__ hour.)**
Course Description	
The name of the partition discipline	**Summary of sections discipline:**
Musculoskeletal system.	General morphofunctional characteristic of the structure and development of the musculoskeletal system of movement and the factors determining them. The value of the unit in the life of the organism.
Total (skin) cover.	General morphofunctional characteristic of the skin and its derivatives. Relationship with other systems of the body. The role of the skin as an indicator of the physiological state of the body. Morphogenesis of the skin, factors determining its direction. The skin, its structure. Morphogenetic classification of derivatives. The structure of the squamous and glandular derivatives. Factors determining milk production. Species, age and sex structure of the features of the skin and its derivatives. Correlation characteristics of the structure of the skin with the productive qualities of the animals.
The nervous system (neurology).	morphofunctional characteristic anatomical structure and structural elements. Morphogenesis of the nervous system. The principle of the nervous system (reflex feedback principle).
Analyzers.	Anatomical structure and morpho-functional characteristics of analyzers and their classification. Basic data in phylogenesis and ontogenesis. The concept of sensory organs and their receptor apparatus. General information about intero-, proprio- and exteroreceptors.
Endocrine apparatus.	Morphofunctional characteristics and the anatomical structure of the endocrine system. Morphogenetic, topographic and functional characteristics of the glands of internal secretion, and mixed. Specific features of the structure and the age and location of the glands.
Cardiovascular system (Angiology).	Anatomical structure, morphogenesis and structural and functional characterization of the cardiovascular system, its relationship with other systems of the body. Species and age characteristics of the system.
Splanhnologiya.	Morphofunctional characteristics of internal organs, their classification, features of the structure and development. Factors that determine the species-specific features of the structure of the internal organs. body cavities, their development, serous integument and derivatives thereof. The division of the abdominal cavity into sections. The relationship of internal organs with other systems of the body and the external environment. The value of the internal organs in the body's vital functions.
Anatomy of poultry.	morphofunctional analysis of the anatomy of organs and systems of various types of domestic birds in connection with the flight, features food and industrial maintenance.

Developers:
Associate Professor Department
veterinary medicine _____ A.S. Karamyan

Director
Department of
veterinary medicine _____ Y.A. Vatnikov

Peoples' Friendship University of Russia
Agricultural Technology Institute
SUMMARY ACADEMIC DISCIPLINES
Educational program
Graduate school Veterinary medicine and animal science
Profiles:
06.02.01 "Diagnostics of illnesses and therapy of animals, pathology, oncology and morphology of animals"

Name of the discipline	**Animal Pathology**
Volume discipline	**_4__CU (__144__ hour.)**
Course Description	
The name of the partition discipline	**Summary of sections discipline:**
INTRODUCTION	Pathological anatomy, its content, for the development of veterinary science and practice. Contact pathological anatomy and related disciplines. Historical stages of development of pathological anatomy: humoral pathology and solidarity; organopathology; the cellular, subcellular and molecular pathology.
GENERAL PATHOLOGICAL ANATOMY	The doctrine of death - tanatology. Life and death as a unity of opposites. Clinical signs of death. Cadaverous change: cooling, mortis, postmortem blood moving (hypostasis, imbibition) and its coagulation, autolysis and putrefaction. The difference changes from cadaveric pathological processes. Meaning of cadaver and agonal changes in the diagnosis of pathology and forensic veterinary medicine.
ULTRASTRUCTURAL CELL PATHOLOGY	Ultrastructural cell organization. Pathology of the cell membranes and its receptor system, cytoplasm and organelles wasps. Types and forms the nucleus of pathology and its organelles. Pathology of the cytoskeleton, cell junctions and intercellular substance
Morphological manifestations of metabolic diseases in tissues. DAMAGE	Relationship types of tissue metabolism and disorders. The main types of cell damage, intercellular substance, tissues and organs (atrophy, degeneration, necrosis).
Necrosis and apoptosis. UNLIKE apoptosis from necrosis	Necrosis and necrobiosis. Causes and pathomorphogenesis necrosis. Modifying kernel, cytoplasm of cells and intracellular structures. Classification of necrosis (dry, wet, gangrene). Morphological characteristics, outcome and necrosis for the body.
VIOLATION blood and lymph circulation AND EXCHANGE tissue fluid. Circulatory disorders.	The concept of general and local circulatory disorders and their relationship. The concept of arterial hyperemia, its types, the value for the body, venous congestion, causes, classification, morphological characteristics. Changes in the liver, lung and intestinal acute and chronic congestive hyperemia. Outcomes and value. Stasis, its causes, morphology, outcomes and value for the body. Anemia general and local, nature, causes, morphological characteristics and outcomes for the body. Hemorrhage, causes, mechanisms, morphology, types, outcomes and value for the body. Thrombosis, its nature, causes, mechanisms of blood clots, their morphology, classification, outcomes and value. Embolism, causes, original species. Heart attacks. The causes and mechanisms of heart attacks. Kinds. Morphological characteristics. Outcomes and implications for the body.
ADAPTIVE morphological manifestations and compensatory processes	The essence of adaptive and compensatory processes, their morphological manifestations, role in the pathogenesis and outcome of disease. Hypertrophy and hyperplasia. Essence and types, morphological characteristics and their importance for the body. Regeneration. Basic laws and physiological differences, reparative, pathological regeneration, their morphological characteristics and value to the body. The regeneration of certain types of tissues and organs at the cellular and ultrastructural levels. Complete and incomplete regeneration. Regenerative hypertrophy. Wound healing, organization, encapsulation.

Developers:
Associate Professor Department
veterinary medicine _____ A.S. Karamyan
Director
Department of
veterinary medicine _____ Y.A. Vatnikov

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Agricultural Technology Institute

SUMMARY ACADEMIC DISCIPLINES

Educational program

Graduate school Veterinary medicine and animal science
Profiles:
06.02.01 "Diagnostics of illnesses and therapy of animals, pathology, oncology and morphology of animals"

Name of the discipline	**DIAGNOSTICS OF ILLNESSES AND THERAPY OF ANIMALS**
Volume discipline	**_4__CU (__144__ hours.)**
Course Description	
The name of the partition discipline	**Summary of sections discipline:**
Total therapy and prevention of non-communicable diseases domestic animals.	Total prevention VNB. The components of general prevention, medical examination, methods of its implementation. Fundamentals of general therapy. The principles of modern therapy, therapies, treatment variations on the Effects of therapeutic factors. The therapeutic technique. Individual and group administration of drugs.
Metabolic disease in animals.	Diseases caused by metabolic disorders (distribution, economic damage, syndromes. Diseases caused by a violation of protein-carbohydrate and lipid metabolism). Diseases caused by a violation of mineral metabolism and microelementoses. Diseases caused by an excess or lack of vitamins (fat-soluble and water-soluble vitamins).
Diseases of the cardiovascular and the respiratory-term system.	Diseases of the cardiovascular system. Diseases of the respiratory system.
Diseases of the digestive system-tive, and liver-zhelchevy-conducting paths.	Diseases of the digestive system. Diseases proventriculus of ruminants. Clogged books, inflammation of rennet. Diseases of the stomach in various species of animals, gastroenteritis, enterocolitis, ulcer. Gastrointestinal colic. The sharp expansion of the stomach. Flatulence, enterodynia. Himostaza and coprostasis. Diseases of the liver and biliary tract.
Disease-mochevyde-inflammatory and nervous system, hematopoietic system.	Diseases of the urinary system. Nephritis, nephrosis, nephrosclerosis, pielonefrit. Diseases of the urinary tract: pyelitis, urotsistit, urolithiasis. Hematuria cattle. Diseases of the hematopoietic system. Classification syndromes. Anemia. Hemorrhagic diathesis. Hemophilia, trobotsitopeniya. Krovopyatnistaya disease. Diseases of the nervous system. Diseases of the spinal cord and its membranes, functional disorders of the nervous system.
Poisoning animals, young disease of birds and fur-bearing animals.	Poisoning. Diseases of the young (anatofiziologicheskie especially in the postnatal period, distribution, economic impact, classification, treatment and prevention). Diseases of birds (distribution, economic impact, classification, treatment and prevention). Diseases of fur animals (distribution, economic impact, classification, treatment and prevention of diseases of the digestive, respiratory, metabolic disorders, poisoning).

Developers:
Associate Professor Department of veterinary medicine _____ A.S. Karamyan

Director
Department of
veterinary medicine_____ Y.A. Vatnikov

Федеральное государственное образовательное учреждение высшего образования
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Аграрно-технологический институт

АННОТАЦИЯ УЧЕБНОЙ ДИСЦИПЛИНЫ

Рекомендовано для образовательных программ по направлениям:
36.06.01 «Ветеринария и зоотехния», 36.06.01 «Сельское хозяйство», 20.06.01 «Техносферная безопасность», 06.06.01 «Биологические науки»

Наименование дисциплины	**Иностранный язык в сфере профессиональной коммуникации**
Объём дисциплины	**4 ЗЕ (144 часа)**
Краткое содержание дисциплины	
Название разделов дисциплины	**Краткое содержание разделов (темы) дисциплины**
Перевод научной литературы по специальности	Научный стиль. Научный текст. Структура научных текстов. Синтаксис научной речи. Оформление письменных работ. Тезисы и правила написания тезисов. Научное сообщение. Рецензирование. Научная статья: принципы написания и подготовка презентации.
Аннотирование, реферирование и составление обзоров	Первичные и вторичные тексты. Выделение основной и второстепенной информации текста. Основы компрессии научного текста. Создание вторичных текстов разной степени компрессии. Основные принципы и задачи реферирования. Основные принципы и задачи аннотирования.
Написание и презентация научной работы по специальности	Типы научных текстов. Терминология и другие показатели научного стиля. Особенности функционирования в научных текстах категорий частей речи иностранного языка в сравнении с русским. Оформление письменных работ. Правила цитирования, оформления сносок, правила составления библиографии. Научная статья: принципы написания и подготовки презентации.

Разработчики:

Зав. кафедрой иностранных языков, проф. Е.А. Нотина

Зам. зав. кафедрой иностранных языков, проф. И.А. Быкова

Зам. зав. кафедрой иностранных языков, ст. преп. В.Э. Улюмджиева

Federal State Autonomous Educational Institution of Higher Education
«Peoples' Friendship University of Russia»

Agrarian Technological Institute

ANNOTATION OF DISCIPLINE

Recommended for educational programs in the following areas:
36.06.01 «Veterinary Medicine and Animal Science», 35.06.01 Agriculture, 06.06.01 Biological sciences, 20.06.01 Technosphere safety

Name of the discipline	**Foreign language in the field of professional communication**
Volume of discipline	4 ZE (144 hours)
Summary of the discipline	
The name of the sections of the discipline	**Summary of the sections (topics) of the discipline**
Translation of scientific literature by specialty	Scientific style. Scientific text. The structure of scientific texts. Syntax of scientific speech. Registration of written works. Abstracts and rules for writing abstracts. Scientific message. Peer review. Scientific article: principles of writing and preparing a presentation.
Annotation, abstracting and reviewing	Primary and secondary texts. Highlighting primary and secondary text information. Basics of compression of a scientific text. Create secondary texts of varying degrees of compression. Basic principles and objectives of the abstract. Basic principles and tasks of annotation.
Writing and presentation of scientific work in the specialty	Types of scientific texts. Terminology and other indicators of the scientific style. Features of functioning in scientific texts of categories of parts of speech of a foreign language in comparison with Russian. Registration of written works. Rules for citation, footnotes, rules for compiling bibliographies. Scientific article: principles of writing and preparing a presentation.

Developers:

Professor E.A. Notina

Professor I.A. Bykova

Senior Lecturer V.E. Ulyumdzhieva

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АННОТАЦИЯ УЧЕБНОЙ ДИСЦИПЛИНЫ

Рекомендовано для образовательных программ по направлениям:
36.06.01 «Ветеринария и зоотехния», 36.06.01 «Сельское хозяйство», 20.06.01 «Техносферная безопасность», 06.06.01 «Биологические науки»

Наименование дисциплины	**Иностранный язык**
Содержание	
Объём дисциплины	**5 ЗЕ (180 час.)**
Раздел 1 Практический курс иностранного языка	Артикль. Имя существительное. Имя прилагательное. Имя числительное. Местоимение. Наречие. Предлог. Глагол: система спряжения глагола; система наклонений; система времен и согласование времен; правильные и неправильные глаголы; модальные глаголы; инфинитив, герундий, причастие. Союзы. Типы предложений. Главные и второстепенные члены предложения. Актуальное членение предложения. Порядок слов в простом предложении. Сложное предложение. Основные правила пунктуации в предложении. *Лексика.* Лексический минимум 5500 лексических единиц с учетом вузовского минимума и потенциального словаря, включая 500 терминов по профилирующей специальности.
Раздел 2 Перевод научной литературы по специальности	Научный стиль, академический подстиль научного стиля естественнонаучных дисциплин в русском и изучаемом иностранном языке. Специфика перевода научных терминов, единиц измерения, имен собственных, географических названий, названий организаций. Пути достижения адекватности и эквивалентности при переводе научной литературы. Использование компьютерных технологий в переводе.

Разработчики:

Проф. Е.А. Нотина

Проф. И.А. Быкова

Ст.преп. В.Э. Улюмджиева

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Agrarian Technological Institute

ANNOTATION OF DISCIPLINE

Recommended for educational programs in the following areas:
36.06.01 «Veterinary Medicine and Animal Science», 35.06.01 Agriculture, 06.06.01 Biological sciences, 20.06.01 Technosphere safety

Name of Discipline	**Foreign Language**
Content	
Number of Credits (hours)	**5 credits (180 hours)**
Block 1 Practical Course of Foreign Language	Articles. Nouns. Adjectives. Numerals. Pronouns. Adverbs. Prepositions. Verbs: Regular and Irregular Verbs. Modal Verbs. Tenses: Present, Past, Future. Sequence of Tenses. Mood. Verbals: Infinitive, Gerund, Participle. Types of Sentences. Simple and Compound Sentences. Punctuation. Lexical Minimum: 5500 lexical units including 500 terminological units.
Block 2 Translation of Scientific Professional Literature	Scientific Style. Scientific Style in Natural Sciences. English for Academic Purposes. Translation Specificities of Terminology (Russian vs Foreign Languages). Adequacy and Equivalency in Translation of Scientific Articles. ICT in Translation.

Developers:

Professor E.A. Notina

Professor I.A. Bykova

Senior Lecturer V.E. Ulyumdzhieva

Federal state autonomous educational institution of higher professional education
"People's Friendship University of Russia"

Faculty of humanities and social sciences

ANNOTATION OF THE ACADEMIC DISCIPLINE

Education programs in all fields of postgraduate study

Course Title	**History and Philosophy of Science**
Course Scope	**4 credits (144 hours)**
COURSE SUMMARY	
Course Units (Topics)	**Course Units (Topics) Outline:**
The subject and the basic concepts of modern philosophy of science	Philosophy of science as the study of the general laws of scientific knowledge in its historical development and changing social and cultural context. Evolution of approaches to the science analysis. Logical and epistemological approach to the study of science. Positivist tradition in the philosophy of science. The expansion of the field of philosophical problems in postpositivist philosophy of science. The sociological and cultural approaches to the study of science. Internalism and externalism.
Science in the culture of modern civilization	Traditionalist and technogenic types of civilization development and its basic values. The role of science in modern education and the formation of personality. The functions of science in society
The appearance of science and the main stages of its historical evolution	The culture of the ancient polis and rising of the first forms of theoretical science. Antique logic and mathematics. Western and Eastern science in the middle ages. Formation of experimental science in modern European culture. Background of the experimental method and its connection with the mathematical description of nature. Science as a profession. The appearance of the disciplinary organized science. Formation of Technical Sciences. Formation of social sciences and humanities.
The structure of scientific knowledge	The variety of types of scientific knowledge. Empirical and theoretical levels, the criteria of its distinction. Features of the empirical and theoretical language of science. The structure of empirical knowledge. Experiment and observation. Empirical dependence and empirical facts. The structure of theoretical knowledge. The primary theoretical models and laws. The developed theory. Theoretical models as part of the internal organization of theory. The deployment of the theory as a process of problem solving. Ideals and norms of research. The scientific picture of the world. Its historical forms and functions. The philosophical foundations of science.
The dynamics of science as a process of generating of new knowledge	Historical variability of mechanisms of generation of scientific knowledge. Formation of the primary theoretical models and laws. The role of analogies in theoretical search. Problem of justification of theoretical knowledge. The mechanisms of the development of scientific concepts. Formation of advanced scientific theory. Problem situations in science.
Scientific traditions and scientific revolutions. Types of scientific rationality	The interaction of tradition and the emergence of new knowledge. Scientific Revolution as rebuilding of the foundations of science. Problems of typology of scientific revolutions. Internal disciplinary mechanisms of scientific revolutions. Global Revolutions and the types of scientific rationality. Historical change of types of scientific rationality: classical, nonclassical, post-nonclassical science.
Features of the present stage of development of science	Prospects of scientific and technical progress. Modern processes of differentiation and integration of sciences. The links of disciplinary and problem-oriented research. Global evolutionism as a synthesis of evolutionary and systemic approaches. New ethical challenges of science in the late XX century. Humanitarian control problem in the science and high technologies. Environmental and socio-humanitarian examination of

	scientific and technical projects. Scientism and anti-scientism. Science and pseudoscience. The role of science in addressing the current global crises.
Science as a social institution	Scientific communities and their historical types. Scientific schools. Training of scientists. The historical development of methods of translation of scientific knowledge. Science and economics. Science and power. The problem of state regulation of science.
Modern philosophical problems of specific scientific disciplines	*Depending on the field of postgraduate study*

Developers:

History of philosophy — name of the department

signature

Nizhnikov S.A. — full name

Specialty Supervisor:

name of the department

signature

full name

Peoples' Friendship University of Russia

Agricultural Technology Institute

DISCIPLINE ANNOTATION

Posrgraduate study «Veterinary medicine and animal science»
Profiles:
06.02.01 "Diagnostics of illnesses and therapy of animals, pathology, oncology and morphology of animals"

Name of the discipline	**Methodology of scientific researchs**
Volume discipline	**3 CU (108 hour.)**
Course Description	
The name of the partition discipline	**Summary of sections discipline:**
Meaning, history and organization of research in the development of modern animal husbandry	Brief archaeological and historical review. The taming and domestication of animals. Livestock primitive community, slave society and the feudal era. Livestock development in the period of capitalism. Farm animal breeds in the historical sequence of their development. The origins of Russian zootechnical science. Prominent scientists, livestock specialists of the XX century.
The basic methods of research in animal production science.	Observation and experiment as the basic methods of research in biological science. Scientific and economic, physiological and production experience. Production test - a final and binding phase of research.
The structure of the research process	The main stages of the experiment. The concept of scientific work and its characteristic features. Basics of scientific literature on the study topic or issue. The categories of information in the scientific paper. Sources of scientific information. Information and patent search. Literature review and basic requirements for him.
Major instructional techniques and methods for design of experiments in zootechnics	The principle of the comparison as a method of setting zootechnical experiments. Methods, built on the principle of similar groups. Methods, built on the principle of group-periods. Features of experiments to assess the productivity of constitutional hereditary factors.
Develop a methodology and working plan of research. keeping primary documentation	The choice of the method of the experiment, the objectives set at the decision of the experiment, the requirements to the site of the experiment. Characteristics of the individual sections of the methodology and drawing up a work plan of the experiment. Basic Documentation for the account of the primary data in a scientific experiment. Terms of ensuring the accuracy of the experimental results.
Organization and features of zootechnical tests on different types of farm animals	Organization of scientific and economic experiments. Technique of the experiment. Ethology experimental animals. Adaptive plasticity animals. The study of growth and development of young animals. Methods of selection and breeding work. Evaluation of reproductive capacity. Evaluation of animal performance. General methodological criteria and features performances of experiments on the digestibility and metabolism in different types of farm animals.
The methods of mathematical processing of experimental data in zootechnical research	Descriptive statistics. Correlation. Regression. Analysis of variance.
The report on research work. Driving writing the final qualifying works and the requirements for its main divisions	Requirements for the management of scientific documentation.

Developers:
Associate Professor Department
veterinary medicine _____ A.S.Karamyan

Director
Department of
veterinary medicine _____ Y.A. Vatnikov

Federal state autonomous educational institution of higher professional education
Peoples' Friendship University of Russia
Philological Faculty

DISCIPLINE ANNOTATION

Education Programs in all fields of postgraduate study

Discipline	***Pedagogy of Higher Education***
Total	**2 credits (72 hours)**
Contents	
Units	**Topics**
Unit I. **Pedagogy of higher education as a field of study and academic subject area.**	1. Pedagogy as a science, key concepts. Pedagogy of higher education in the system of pedagogical science. 2. Systems of higher education: comparative analyses. 3. Contemporary trends in higher education. Internationalization of higher education.
Unit 2. **Didactics of higher education.**	1. General aspects of didactic system. 2. Content of higher education (laws and regulations; main principles of selecting content). Curriculum and course syllabus. 3. Forms and methods of teaching. Lecture in modern higher education. Seminars, practical training, laboratory class. Project – working. 4. Students' individual work. 5. Interactive methods of teaching (discussions, case-study, training, professional simulation etc.). 6. ICT in modern higher education. 7. Monitoring and evaluation of academic performance. Point rating system.
Unit 3. **Educational environment of modern university.**	1. Faculty members' rights and responsibilities. Professional ethics. 2. Faculty interaction with students: case study. 3. Educational potential of extra-curricular activities.

Author:
Associate Professor of the
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The Head of the
Psychology and Pedagogy Department _____ N.B. Karabushchenko

Федеральное государственное автономное образовательное учреждение высшего образования «Российский университет дружбы народов»

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АННОТАЦИЯ УЧЕБНОЙ ДИСЦИПЛИНЫ

Рекомендовано для образовательных программ по направлениям:
36.06.01 Ветеринария и зоотехния, 35.06.01 Сельское хозяйство, 06.06.01 Биологические науки, 20.06.01 Техносферная безопасность

Наименование дисциплины	**Русский язык в сфере профессиональной коммуникации**
Объём дисциплины	4 ЗЕ (144 час)
Краткое содержание дисциплины	
Название разделов дисциплины	**Краткое содержание разделов (темы) дисциплины**
Раздел 1 **Чтение и реферирование научных статей по специальности**	*Реферирование: основные особенности.* Понятие реферата, его назначение и основные жанровые черты, цель реферата. Типы рефератов. Сущность и методы компрессии материала первоисточника. *Структура, содержание, особенности реферата.* Общие требования, предъявляемые к написанию аннотаций. Состав реферата. Языковые особенности составления реферата. *Алгоритм реферирования научных статей по специальности.* Фрагментация текста. Определение основной мысли и аргументов, подтверждающих ее. Речевые клише для написания рефератов. Составление реферата на основе одного источника / нескольких источников. Типичные ошибки при написании реферата. Анализ примеров рефератов.
Раздел 2 **Научно-квалификационная работа: специфика подготовки и защиты на русском языке**	Научный стиль речи. Русский язык для научных целей. Работа с научной литературой по проблеме исследования. Подготовка научно-квалификационной работы: структура диссертации, ее основные компоненты. Подготовка к устной защите научно-квалификационной работы.

Разработчики:
доцент каф. русского языка Медицинского института — **Ю.Н. Бирюкова**

ст. преп. каф. русского языка Медицинского института — **В.В. Черепко**

Зав. кафедрой русского языка Медицинского института — **В.Б. Куриленко**

Federal State Autonomous Educational Institution of Higher Education
«Peoples' Friendship University of Russia»

Agrarian Technological Institute

ANNOTATION OF DISCIPLINE

Recommended for educational programs in the following areas:
36.06.01 «Veterinary Medicine and Animal Science», 35.06.01 Agriculture, 06.06.01 Biological sciences, 20.06.01 Technosphere safety

Name of the discipline	**Russian language in the field of professional communication**
Volume of discipline	4 ZE (144 hours)
Summary of the discipline	
The name of the sections of the discipline	**Summary of the sections (topics) of the discipline**
Section 1 **Reading and reviewing scientific articles in the specialty**	*Reviewing: basic features.* The concept of the abstract, its purpose and main genre features, the purpose of the abstract. Types of essays. The essence and methods of compression of the source material. *Structure, content, features of the abstract.* General requirements for writing annotations. The composition of the abstract. Language features of the essay's preparation. *Algorithm of abstracting scientific articles in the specialty.* Fragmentation of the text. Definition of the main idea and arguments confirming it. Speech cliches for writing essays. Drawing up the abstract on the basis of one source / several sources. Typical mistakes when writing an essay. Analysis of abstracts' examples.
Section 2 **Scientific qualification work: the specifics of the preparation and protection in Russian**	Scientific style of speech. Russian language for scientific purposes. Work with scientific literature on the problem of research. Preparation of scientific and qualification work: the thesis structure, its main components. Preparation for oral protection of scientific and qualification work.

Developers:
Associate professors
of Russian Language Department
of Medical Institute **Yu.N. Biryukova**

Senior lecturer
of Russian Language Department
of Medical Institute **V.V. Cherepko**

Head of Russian
Language Department
of Medical Institute **V.B. Kurilenko**

Peoples' Friendship University of Russia

Agricultural Technology Institute

SUMMARY ACADEMIC DISCIPLINES

Educational program

Graduate school Veterinary medicine and animal science
Profiles:
06.02.01 "Diagnostics of illnesses and therapy of animals, pathology, oncology and morphology of animals"

Name of the discipline	**The main stages of the formation of the animal organism**
Volume discipline	**_4__CU (__144__ hour.)**
Course Description	
The name of the partition discipline	**Summary of sections discipline:**
introduction	Aims and objectives of the study course. The concept of development, differentiation and growth of animals. Genetic basis and some general patterns of ontogeny
The process of phylogeny and ontogeny of animals	Methods of study and consideration of the development, differentiation and growth of farm animals periodicity of vital phenomena.
Prenatal development of farm animals	Contact daily and seasonal rhythms of physiological functions of farm animals with their livelihoods and productivity. Rhythm animal growth
Post-uterine development of farm animals	Species and breed characteristics of mammalian fetal development. The value of feeding cows, ewes and sows for pre-natal development of offspring Neurohumoral relationship between the mother's body and embryonated biochemical regularities of animal development
Basic morphological regularities of animal development	The growth of the tissues and muscles in young cattle of different directions at different floor levels of productivity growth of breast tissue and muscles in young sheep and goats different direction floor productivity at different levels of feeding
Some common physiological patterns	The growth of the tissues and muscles in young pigs of different productivity trends, the floor at different levels of feeding the growth of tissues and muscles in birds of different sexes.
Myogenesis. Histological structure of the muscles in different species of animals	Specific features of the histological structure of farm animals Muscle
Patterns of age-related biochemical indicators of animal muscle	Factors affecting the rate of growth of muscle fibers Using morphological and chemical characteristics of the carcass and muscle to assess the quality of products

Developers:
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