Ministry of Agriculture of the Russian Federation
Federal State Budgetary Educational Institution
of Higher Education
"St. Petersburg State University of Veterinary Medicine"

APPROVED BY
Vice-Rector for Educational
Work and Youth Policy
Sukhinin A.A.
April 10, 2026

Department of feeding and breeding of animals

EDUCATIONAL WORK PROGRAM
for the discipline

«MEDICINAL AND POISONOUS PLANTS»

The level of higher education
SPECIALIST COURSE

Specialty 36.05.01 Veterinary Medicine
Profile: «General clinical veterinary medicine»
Full-time education

Education starts in 2026

Reviewed and adopted
at the meeting of the department
on March 04, 2026.
Protocol No. 6

Head of the Department
of Feeding and Breeding of Animals
Candidate of Veterinary Sciences, Associate Professor
Suyazova I.V.

Saint Petersburg
2026

1. AIMS AND OBJECTIVES OF THE DISCIPLINE «MEDICINAL AND POISONOUS PLANTS»

The main purpose of the discipline "Medicinal and poisonous plants" in the training of veterinarians is to give the student the necessary theoretical and practical knowledge in the use of medicinal, poisonous, harmful and fodder plants for the treatment, feeding of animals, as well as for the prevention of poisoning.

In order to achieve the set goal it is necessary to solve the following tasks:

a) General educational task is to study the structure and composition of medicinal plants;

b) Applied task is to study the methods of preparation of various medicinal forms from plant raw materials;

c) Special task is to study different groups of medicinal plants according to their effect on the animal organism; study of frequently occurring poisonous plants and study of harmful plants that cause spoilage of agricultural animal products.

2. THE LIST OF THE PLANNED RESULTS OF THE DISCIPLINE (MODULE), CORRELATED WITH THE PLANNED RESULTS OF THE REALISED EDUCATIONAL PROGRAM

As a result of mastering the discipline, the student is prepared for the following types of activities, in accordance with the educational standard of the FSE on 36.05.01 "Veterinary Medicine".

Area of professional activity:

13 Agriculture

2.1. The student's competencies formed (acquired) as a result of mastering the discipline

The education of the discipline should form the following competencies:

a) **Professional competencies (PC):**

PC-9. Development of recommendations for special feeding of sick animals for therapeutic purposes.

PC-9 ID-1 - To know the types of dietary regimes, the principles of feed choice, using digital technologies, norms, feeding regimes in animal diet therapy.

b) **Professional competencies (PC):**

PC-10. Application of follow-up examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment, detalisation of the animal treatment plan (if necessary) based on the results of the evaluation of the treatment effectiveness.

PC-10 ID-2 - To be able to use specialized information databases when choosing ways for treat animal diseases.

5. THE CONTENT OF THE DISCIPLINE AND TYPES OF CLASSES
5.1. The content of the discipline (full-time education)

№	The title	Achieved competences	Semesters	Types of academic work, including students' self-study and labor intensity (in hours)			
				Lectures	Practical lessons	Practical training	Self-study
1	Introduction. History of study and use of medicinal plants	**PC-9** - Development of recommendations for special feeding of sick animals for therapeutic purposes. **PC-9** ID-1 - To know the types of dietary regimes, the principles of feed choice, using digital technologies, norms, feeding regimes in animal diet therapy. **PC-10** - Application of follow-up examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment, detalisation of the animal treatment plan (if necessary) based on the results of the evaluation of the treatment effectiveness. **PC-10** ID 2 - To be able to use specialized information databases when choosing ways for treat animal diseases.	2	2			4
2	Chemical composition of medicinal plants. Main active substances of plants.		2	2			2
3	Morphology of leaf shoot, flower inflorescence fruit, root		2		5	1	2
4	Rules for harvesting and storage of medicinal plant raw materials.		2	2			3
5	Medicinal plants of different natural zones. Preparation of medicinal preparations from plant raw materials		2	2			2
6	Plants used in cardiovascular pathologies		2		2	1	2
7	Plants with expectorant properties		2		3		2
8	Medicinal plants, acting on the gastrointestinal tract.		2		2	1	2
9	Diuretic medicinal plants. Choleretic medicinal plants.		2		3		2
10	Medicinal plants diaphoretic and antipyretic. Blood-stopper medicinal plants.		2		2	1	2
11	Anthelmintic plants. Vitamin plants.		2				2
12	Plants that excite the central nervous system. Plants that calm the central nervous system.		2			1	2

6. THE LIST OF EDUCATIONAL AND METHODOLOGICAL SUPPORT FOR STUDENTS' SELF WORK

6.1. Guidelines for self – work

1. Vinogradova N.D. Medicinal and poisonous plants. Methodical instructions for mastering the discipline and performing independent work for students on speciality 36.05.01 "Veterinary science" full-time, part-time and correspondence forms of education. - SPb.: SPbGUVM. - 2020.- Text : electronic // (Access mode: for authorization. users of the EB SPbGUVM).

6.2. Literature for self-work

1. Arestov, I.G. Veterinary toxicology: textbook / Arestov Ivan Georgievich, N.G. Tolkach; Edited by I. G. Arestov. G. Arestov. - Mn.: Urazhai, 2000. - 343 p.: ill. - (Textbooks and manuals for higher educational institutions). - ISBN 985-04-0412-4: 83-63. - Text (visual): direct. Quantity - 4 copies.
2. Vilner, A.M. Feed poisoning. - 5th ed., corrected and supplemented. - L.: Kolos, Leningr. Leningrad Branch, 1974. - 408 c. - 1-03. - Text (visual): direct. Quantity - 16 copies.

7. THE LIST OF BASIC AND ADDITIONAL LITERATURE NECESSARY FOR THE EDUCATION OF THE DISCIPLINE

7.1. Basic literature

2 Medicinal plants in veterinary practice: reference. / Rabinovich Moses Isaakovich. - Moscow: Agropromizdat, 1987. - 288 c. - Text: electronic // (Access mode: for authorization. users of the SPbGUVM EB).

7.2. Additional literature

1. Veterinary toxicology: on speciality "Veterinary" / Khmelnitsky Grigory Aleksandrovich ; G. A. Khmelnitsky, V. N. Loktionov, D. D. Poloz. - Moscow : Agropromizdat, 1987. - 319 c. - (Textbook and manuals for students of higher educational institutions. Veterinary science). - 0-95. - Text (visual): direct.
2. Veterinary toxicology : Manual for students of universities on speciality "Veterinary" / Zhulenko Vasily Nikolaevich, Rabinovich Moses Isaakovich, Talanov German Alexandrovich ; Edited by V.N. Zhulenko. - M. : KolosS, 2004. - 384 c. : ill. - (Textbooks and manuals for students of higher educational institutions). - ISBN 5-9532-0016-1 : 213-84. - Text (visual) : direct.

Practical (seminar) classes are an important part of the professional training of students in the discipline "Medicinal and poisonous plants".

The main purpose of practical (seminar) classes - the formation of students analytical, creative thinking through the acquisition of practical skills. Also practical classes are held to deepen and consolidate the knowledge gained in lectures and in the process of independent work on normative documents, educational and scientific literature. In preparation for a practical lesson for students should study or repeat the theoretical material on a given topic.

When preparing for the practical training, the student is recommended to adhere to the following algorithm;

1) familiarise yourself with the plan of the upcoming class;
2) study the literature sources that have been recommended.

Practical (seminar) classes fulfil the following tasks:

- stimulate regular study of recommended literature, as well as attentive attitude to the lecture course;
- consolidate the knowledge obtained in the process of lecture training and independent work on literature;
- expand the scope of professionally significant knowledge, skills, abilities;
- allow to check the correctness of previously acquired knowledge;
- instil skills of independent thinking and oral presentation;
- contribute to the free use of terminology;
- provide the teacher with an opportunity to systematically monitor the level of independent work of students.

Recommendations for work with literature

Work with literature is an important stage of independent work of the student to master the subject, contributing not only to the consolidation of knowledge, but also to the expansion of horizons, mental abilities, memory, the ability to think, state and confirm their hypotheses and ideas. In addition, research skills necessary for further professional activity are developed.

Proceeding to the study of literature on the topic, it is necessary to make outlines, extracts, notes. In addition, it is necessary to learn to immediately make a card index of special literature and publications of sources, both proposed by the teacher and identified independently, as well as to refer to bibliographic directories, annals of journal articles, book annals, refereed journals. In this case, publications of sources (articles, book titles, etc.) to write on separate cards, which should be filled out according to the rules of bibliographic description (surname, initials of the author, title of the work. Place of publication, publishing house, year of publication, number of pages, and for journal articles - the name of the journal, year of publication, page numbers). On each card it is advisable to record the author's thought of the book or a fact from this book only on one specific issue.

If the work, even in the same paragraph or phrase, contains other judgements or facts on another issue, they should be written out on a separate card. The statement should be concise, precise, without subjective judgements. On the back of the card you can make your own notes about the book or article, its content, structure, the sources it is based on, etc. You can also write your own notes on the back of the card.

The list of licensed and free- distributed software, including national programs

№ п/п	Technical and computer programs recommended by sections and topics of the program	License
1	MS PowerPoint	67580828
2	LibreOffice	free software
3	OS Alt Education	AAO.0022.00
4	ABIS " MARK-SQL"	02102014155
5	MS Windows 10	67580828
6	System Consult Plus	503/КЛ
7	Android OS	free software

12. THE MATERIAL AND TECHNICAL BASE NECESSARY FOR THE IMPLEMENTATION OF THE DISCIPLINE EDUCATIONAL PROCESS

The title of the discipline (module), practice in accordance with the curriculum	**The title of special rooms and rooms for self-work**	**Equipment of special rooms and rooms for self-work**
Medicinal and poisonous plants	359 (5 Chernigovskaya St., St. Petersburg, 196084) Classroom for seminars, group and individual consultations, current control and interim certification	*Specialised furniture:* desks, chairs, blackboard, chalk, cloth. *Visual aids and teaching materials:* herbariums. *Technical teaching aids*: multimedia projector, screen, laptop.
	340 (5 Chernigovskaya St., St. Petersburg, 196084) Classroom for seminars, group and individual consultations, current control and interim certification	*Specialised furniture:* desks, chairs, stools, blackboard, chalk, cloth. *Technical means of education:* multimedia projector, screen, laptop.
	342 (5 Chernigovskaya St., St. Petersburg, 196084) Classroom for seminars, group and individual consultations, current control and interim certification	*Specialised furniture:* desks, chairs, stools, blackboard, chalk, cloth. *Technical means of education:* multimedia projector, screen, laptop.

Developer:

Senior Lecturer, Department of Animal Nutrition and Breeding,
Candidate of Agricultural Sciences _____ J.R. Safiulova

Annex 1

Ministry of Agriculture of the Russian Federation
Federal State Budgetary Educational Institution
of higher education
«Saint Petersburg State University of Veterinary Medicine»

Department of feeding and breeding of animals

FUND OF ASSESMENT TOOLS
for the discipline
«MEDICINAL AND POISONOUS PLANTS»"

Level of higher education
SPECIALIST COURSE

Specialty 36.05.01 Veterinary medicine
Profile: «General clinical veterinary medicine»
Full-time education

Education starts in 2026

Saint Petersburg
2026

1. PASSPORT OF THE FUND OF ASSESMENT TOOLS

№	Acquired competence	Assessed modules of a discipline	Assesment tool
1	**PC-9**. Development of recommendations for special feeding of sick animals for therapeutic purposes. **PC-9** ID-1 - To know the types of dietary regimes, the principles of feed choice, using digital technologies, norms, feeding regimes in animal diet therapy. **PC-10**. Application of follow-up examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment, detalisation of the animal treatment plan (if necessary) based on the results of the evaluation of the treatment effectiveness. **PC-10** ID-2 - To be able to use specialized information databases when choosing ways for treat animal diseases.	Section 1. History of the use of plants for medicinal purposes from antiquity to the present. Prospects for the use of plants for medicinal purposes.	Test, oral questioning
2		Section 2. Morphology of leaf, shoot, flower, inflorescence, fruit, root	Test, oral questioning
3		Section 3. Chemical composition of medicinal plants. Characterization of biologically active substances contained in medicinal and poisonous plants.	Test, oral questioning
4		Section 4. Rules for harvesting medicinal plant raw materials.	Test, oral questioning
5		Section 5. Medicinal forms of plant raw materials. Rules of their preparation.	Test, oral questioning
6		Section 6. Medicinal plants of different natural zones and their use in veterinary practice	Test, report in the form of a presentation
7		Section 7. Feed plants with medicinal properties	Test, report in the form of a presentation
8		Section 8. Poisonous and harmful plants of meadows and pastures.	Test, report in the form of a presentation

2. INDICATORS AND CRITERIA FOR ASSESSING COMPETENCIES AT VARIOUS STAGES OF ITS FORMATION, DESCRIPTION OF ASSESSMENT SCALES

Planned results of competency acquaired	The level of development				Assesment tool
	Unsatisfactory	Satisfactory	Good	Exellent	
PC-9. Development of recommendations for special feeding of sick animals for therapeutic purposes.					
PC-9 ID-1 - To know the types of dietary regimes, the principles of feed choice, using digital technologies, norms, feeding regimes in animal diet therapy.	The level of knowledge below the minimum requirements, there were gross mistakes	The minimum acceptable level of knowledge, many minor errors	The level of knowledge in extent, consistent with training program training program, admitted a few minor mistakes	The level of knowledge in extent, consistent with training program level of knowledge in the scope of the training program, without errors.	Oral questioning, tests, reports in the form of presentations
PC-10. Application of follow-up examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment, detalisation of the animal treatment plan (if necessary) based on the results of the evaluation of the treatment effectiveness.					
PC-10 ID-2 - To be able to use specialized information databases when choosing ways for treat animal diseases.	The level of knowledge below the minimum requirements, there were gross mistakes	The minimum acceptable level of knowledge, many minor errors	The level of knowledge in extent, consistent with training program training program, admitted a few minor mistakes	The level of knowledge in extent, consistent with training program level of knowledge in the scope of the training program, without errors.	Oral questioning, tests, reports in the form of presentations

11. Gum: chemical nature, therapeutic effect
12. Slimes: chemical nature, therapeutic effect
13. Resins: chemical nature, therapeutic effect
14. Starch: chemical nature, therapeutic effect
15. Fiber: chemical nature, therapeutic effect

For Section 4:

1. Organization of medicinal plant harvesting
2. Peculiarities of collection of buds and leaves
3. Peculiarities of collection of bark
4. Features of collection of flowers and herbs
5. Features of the collection of fruits and berries
6. Features of collection of underground organs
7. Drying of medicinal raw materials of different types.
8. Bringing raw materials to a standardized state
9. Packaging of medicinal raw materials
10. Storage of medicinal raw materials

For Section 5:

1. Preparation of galenic and novogalenic preparations
2. Preparation of collection, powder
3. Preparation of gruel
4. Pill, bolus, tablet
5. Mixtura, decoction, infusion, tincture. Features of preparation
6. Preparation of emulsions

3.1.2. Topics of reports in the form of presentations

Topics of reports for competence assessment:

PC-9. Development of recommendations for special feeding of sick animals for therapeutic purposes.
PC-9 ID-1 - To know the types of dietary regimes, the principles of feed choice, using digital technologies, norms, feeding regimes in animal diet therapy.
PC-10. Application of follow-up examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment, detalisation of the animal treatment plan (if necessary) based on the results of the evaluation of the treatment effectiveness.
PC-10 ID-2 - To be able to use specialized information databases when choosing ways for treat animal diseases.

Under Section 6:

1. Medicinal plants used for cardiovascular diseases
2. medicinal plants for expectorants and emollients
3. medicinal plants that improve digestion
4. Medicinal plants astringent, antidiarrheal
5. Medicinal plants laxative
6. Medicinal plants bitter, appetite stimulants

a) Plantágo
b) raspberry leaves
c) Chamomile

8. Why are some plants poisonous?
a) increased solar radiation
b) a way to protect them from being eaten by animals
c) contaminated soil

9. The fruits of medicinal plants are harvested?
a) during the period of full ripening
b) during flowering
c) in the fall

10. The leaves of Tussilágo are used for
a) colds
b) digestive disorders
c) nervous diseases

11. Under Peter the Great, the following were created
a) apothecary huts
b) apothecary boxes
c) apothecary gardens

12. What plant, according to folk medicine, should be used to heal wounds?
a) cranberries
b) aloe
c) chamomile

13. Medicinal plants should not be collected
a) near rivers
b) near forests
c) near roads

14. Medicinal plants may be used
a) only when prescribed by a doctor
b) according to ancient recipes
c) on the advice of friends and acquaintances

15. Drying medicinal herbs in bad weather should be done a) in the shade
a) in the shade
b) on the stove
c) in the sun

16. Which plant is not medicinal
a) Agrostémma githágo
b) Crataégus sanguínea
c) Agrimónia eupatória

17. Roots of medicinal plants when collecting them
a) are pulled out of the ground
b) do not use
c) dig up

18. An apothecary's hut was opened in Russia
a) under Peter I
b) under Nicholas I
c) under Ivan the Terrible

19. When collecting medicinal herbs, they should be
a) cut with scissors
b) cut with a knife

b) budding
c) flowering

33. Which of the following plants has an anti-inflammatory effect?
a) Inula helenium
b) Ácorus cálamus
c) Chamomile

34. Which plant extract is used to prepare over-the-counter herbal antidepressants?
a) licorice
b) sage
c) St. John's wort

35. Which plant has strongly bactericidal properties against many pathogens, especially staphylococci and streptococci?
a) Callisia
b) Calendula
c) Hyperici perforati

36. Which plant is a traditional cough remedy?
a) chamomile
b) rosehip
c) Tussilágo

37. Which plant is used in the treatment of respiratory diseases?
a) licorice
b) Hippóphaë rhamnóides
c) St. John's wort

38. The fruit of which plant is a valuable multivitamin?
a) Hippóphaë rhamnóides
b) raspberry
c) rosehip

39. What kind of forage plant is Trifolium protense?
a) meadow clover
b) sown alfalfa
c) hedgehog

40. What is the forage plant Zea mays?
a) corn
b) barley
c) sorghum

3.2. Standard tasks for intermediate certification

3.2.1. Questions for the test

The competence achieved:
PC-9. Development of recommendations for special feeding of sick animals for therapeutic purposes.
PC-9 ID-1 - To know the types of dietary regimes, the principles of feed choice, using digital technologies, norms, feeding regimes in animal diet therapy.
PC-10. Application of follow-up examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment, detalisation of the animal treatment plan (if necessary) based on the results of the evaluation of the treatment effectiveness.
PC-10 ID-2 - To be able to use specialized information databases when choosing ways for treat animal diseases.

44. Medicinal plants bitter, appetite stimulating.
45. Medicinal plants antispasmodic and reduce the secretory function of glands
46. Diuretic medicinal plants
47. Diuretic medicinal plants
48. Diaphoretic and antipyretic medicinal plants
49. Anthelmintic medicinal plants
50. Blood-stopper and uterine medicinal plants
51. Vitamin medicinal plants
52. Medicinal plants used for eczema and other skin diseases
53. Poisonous plants used in veterinary medicine.
54. What factors contribute to the accumulation of poisonous beginning in plants?
55. List plants that excite the central nervous system.
56. List plants that calm the central nervous system.
57. Name the order of first aid for poisoning by poisonous plants.
58. Characteristics of plants of the buttercup family.
59. Characteristics of plants of the umbrella family.
60. Rare plants used in medicine. Introduction of medicinal plants.
61. Rational processing of medicinal raw materials. Protection of medicinal plants.
62. Poisonous plants that cause CNS excitation
63. Plants that cause excitation of the CNS and simultaneously acting on the heart, digestive tract, kidneys
64. Plants that cause CNS depression and paralysis.
65. Plants causing CNS depression and paralysis and simultaneously acting on the digestive tract, heart
66. Plants that cause damage to the heart
67. Plants that increase the sensitivity of animals to the action of sunlight
68. Plants that cause liver damage
69. Plants that cause disorders of salt metabolism
70. Influence of forage harvesting conditions on toxicity of poisonous plants
71. Harmful plants of natural fodder lands
72. Plants causing mechanical damage to animals
73. Plants causing blockage of the gastrointestinal tract
74. Plants causing spoilage of milk and meat, clogging animal hair, causing spoilage of honey and death of bees
75. Feed plants with medicinal properties
76. Control measures against poisonous and harmful plants

4. METHODOLOGICAL MATERIALS DEFINING THE PROCEDURES FOR ASSESSING KNOWLEDGE, SKILLS AND ABILITIES AND WORK EXPERIENCE CHARACTERIZING THE STAGES OF COMPETENCE FORMATION

4.1. Criteria for assessing the knowledge of students during the oral survey:

Mark **"excellent"** - the student clearly expresses his point of view on the issues under consideration, giving appropriate examples.

The mark «**satisfactory**» - not performed one or more types of academic work provided by the curriculum. The student demonstrates incomplete compliance of knowledge, skills, skills given in the tables of indicators, significant errors are made, there is a partial lack of knowledge, skills, skills for a number of indicators, the student has significant difficulties in operating knowledge and skills in their transfer to new situations.

The mark «**unsatisfactory**» - not fulfilled types of academic work provided by the curriculum. demonstrates incomplete compliance of knowledge, skills, skills given in the tables of indicators, significant errors are made, shows the lack of knowledge, skills, skills for a large number of indicators, the student has significant difficulty in operating knowledge and skills in their transfer to new situations.

5. ACCESSIBILITY AND QUALITY OF EDUCATION FOR DISABLED PEOPLE

If necessary, persons with disabilities and persons with disabilities are given additional, time to prepare an answer for the test.

When conducting the procedure for evaluating the learning outcomes of disabled people and persons with disabilities, their own technical means can be used.

The procedure for evaluating the learning outcomes of disabled people and persons with disabilities in the discipline provides for the provision of information in forms adapted to the limitations of their health and perception of information:

For people with visual impairments:	– in printed form in enlarged font; – in the form of an electronic document.
For people with hearing impairments:	– in printed form; – in the form of an electronic document.
For people with disorders of the musculoskeletal system:	– in printed form, the device; – in the form of an electronic document.

When conducting the procedure for evaluating the learning outcomes of disabled people and persons with disabilities in the discipline, it ensures that the following additional requirements are met, depending on the individual characteristics of the students:

a) instructions on the procedure for conducting the assessment procedure are provided in an accessible form (orally, in writing);

b) an accessible form of assignment of assessment tools (in printed form, in printed form in enlarged font, in the form of an electronic document, assignments are read out by the teacher);

c) an accessible form of providing answers to tasks (written on paper, a set of answers on a computer, orally).

If necessary, for students with disabilities and the disabled, the procedure for evaluating the results of training in the discipline can be carried out in several stages.

The procedure for evaluating the learning outcomes of disabled people and persons with disabilities is allowed using distant learning technologies.

Program abstract of the discipline
B1.V.DV.03.01 «Medicinal and Poisonous Plants»
specialty 36.05.01 Veterinary Medicine
Profile: «General clinical veterinary medicine»

The purpose of mastering the discipline: to provide the necessary theoretical and practical knowledge in the field of characterisation and use of medicinal plants intended for treatment of animals; as well as in the field of prevention of poisoning by poisonous plants, and measures to combat poisonous and harmful plants of meadows and pastures.

Position of the discipline in the curriculum: discipline B1.V.DV.03.01 "Medicinal and Poisonous Plants" is a discipline of choice of the Federal State Educational Standard of Higher Education on the speciality 36.05.01 "Veterinary Medicine" (specialist level), the discipline is studied in the 2nd semester.

Requirements for the results of mastering the discipline: The graduate of the discipline should form the following competencies:

PC-9. Development of recommendations for special feeding of sick animals for therapeutic purposes.

PC-9 ID-1 - To know the types of dietary regimes, the principles of feed choice, using digital technologies, norms, feeding regimes in animal diet therapy.

PC-10. Application of follow-up examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment, detalisation of the animal treatment plan (if necessary) based on the results of the evaluation of the treatment effectiveness.

PC-10 ID-2 - To be able to use specialized information databases when choosing ways for treat animal diseases.

Summary of the discipline:

In order to achieve the objective, the following tasks need to be accomplished:

a) General educational task is to study the structure and composition of medicinal plants;

b) Applied task is to study the methods of preparation of various medicinal forms from plant raw materials;

c) Special task is the study of different groups of medicinal plants on their effect on the animal organism; study of frequently occurring poisonous plants and the study of harmful plants that cause spoilage of products of agricultural animals; study of fodder plants with medicinal properties.

The complexity of the discipline is: 72 academic hours.

Final control of the discipline: test.