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Federal State Autonomous Educational Institution of Higher Education
PEOPLES FRIENDSHIP UNIVERSITY OF RUSSIA NAMED AFTER PATRICE
LUMUMBA
RUDN University

educational division (faculty/institute/academy) as higher education programme developer

FINAL STATE EXAMINATION SYLLABUS

Recommended by the Didactic Council for the Education Field of:

35.04.04 Agronomy

field of studies / speciality code and title

The final state examination is implemented within the professional education program of higher education:

General Agronomy

higher education programme profile/specialisation title

2024

(name (profile/specialization) of the educational institution of higher education)

2024

1. FINAL STATE EXAMINATION GOAL AND TASKS

The purpose of the State Final Attestation within the framework of the implementation of the educational program of higher education "General Agronomy" is to determine the compliance of the results of mastering the educational program of higher education by students with the requirements of the RUDN University Educational Standards.

The objectives of the State Final Attestation are:

- checking the quality of teaching an individual basic humanitarian knowledge, natural scientific laws and phenomena necessary in professional activities;
- determining the level of theoretical and practical preparedness of a graduate to perform professional tasks in accordance with the qualification received;
- establishing the degree of an individual's desire for self-development, improving their qualifications and skills;
- checking the formation of a graduate's sustainable motivation for professional activity in accordance with the types of professional activity tasks provided by the RUDN University Educational Standards Board;
- assessment of the level of ability of graduates to find organizational and managerial solutions in non-standard situations and their readiness to bear responsibility for them;
- ensuring the integration of education and scientific and technical activities, increasing the efficiency of using scientific and technical achievements, reforming the scientific sphere and stimulating innovative activities;
- ensuring the quality of training of specialists in accordance with the requirements of the RUDN University Higher Educational Institution.

2. REQUIREMENTS FOR HIGHER EDUCATION PROGRAMME COMPLETION AND LEARNING OUTCOMES

A student who has no academic debt and has fully completed the curriculum or individual curriculum of the educational program of higher education is admitted to the State Final Attestation.

Upon completion of the OP VO, the graduate must have the following universal competencies (UC):

Code and name of the UC
UK-1 Able to carry out critical analysis of problematic situations based on a systems approach, develop an action strategy
UC-2 Capable of managing a project at all stages of its life cycle
UC-3 Able to organize and manage the work of a team, developing a team strategy to achieve the set goal
UC-4 Able to use modern communication technologies in the state language Russian Federation and foreign language(s) for academic and professional interaction.
UC-5 Able to analyze and take into account cultural diversity in the process of intercultural interaction
UC-6 Able to define and implement priorities of one's own activities and ways of improving them based on self-assessment
UC-7 Able to search for the necessary sources of information and data, perceive, analyze, remember and transmit information using digital means, as well as using algorithms when working with data obtained from various sources in order to effectively use the information received to solve problems, evaluate information, its reliability, build logical conclusions based on incoming information and data

general professional competencies (GPC):

Code and name of the GPC
GPC-1 Capable of solving problems of development of the field of professional activity and (or) organization based on the analysis of achievements of science and production;

GPC-2 Capable of transmitting professional knowledge taking into account pedagogical methods;
GPC-3 Capable of using modern methods of solving problems when developing new technologies in professional activities;
GPC-4 is capable of conducting scientific research, analyzing results and preparing reporting documents;
GPC-5 Capable realize technical and economic justification projects Vprofessional activity;
GPC-6 is capable of managing teams and organizing production processes.
GPC-7 Capable of using tools for working with large arrays of structured and unstructured information, using modern digital methods of processing, analysis, interpretation and visualization of data in order to solve assigned tasks professional and research activities in the field of agronomy

professional competencies (PC):

PC code and name
PC-1 Capable of organizing experiments (field trials) to assess the effectiveness of innovative technologies (elements of technology), varieties and hybrids in production conditions
PC-2 Capable of developing and implementing environmentally friendly techniques and technologies production of high-quality plant products taking into account the properties of agricultural landscapes and economic efficiency
PC-3 Capable of identifying areas for improving and increasing the efficiency of crop production technologies based on scientific achievements and best practices of domestic and foreign manufacturers
PC-4 Capable of creating models of agricultural crop cultivation technologies, plant protection systems, varieties

3. FINAL STATE EXAMINATION PROCEDURE

The State Final Attestation (GFA) can be conducted either in person (students and the state examination committee are at RUDN during the GFA) or using distance learning technologies (DET) available in the RUDN Electronic Information and Educational Environment (EIEE).

The procedure for conducting the State Final Attestation in person or using (DOT) is regulated by the relevant local regulatory act of RUDN.

The State Final Attestation for the educational program of higher education “General Agronomy” includes:

- state examination (SE);
- defense of the final qualifying work (FQW).

4. STATE EXAM PROCEDURE

The state examination is conducted in one or several disciplines and (modules) of the educational program of higher education, the results of mastering which are of decisive importance for the professional activities of graduates.

The volume of the State Examination for the OP VO is 3 credit units. The state examination is held in two stages:

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

The second stage is an assessment of the graduate’s practical preparation for future professional activity in the form of solving production situational problems (cases).

In order to prepare students for passing the State Examination, the head of the higher education institution is obliged to familiarize the final-year students with the current State Examination program, an exhaustive list of theoretical questions included in the State Examination, examples of industrial situational tasks (cases) that will need to be solved in the process of passing the certification test, as well as with the procedure for conducting each stage of the State Examination and the methodology for assessing its results (with assessment materials).

Before the State Examination, mandatory consultations are held for students on issues and tasks included in the State Examination program (pre-examination consultation).

The assessment of the results of the State Examination is carried out in accordance with the methodology set out in the assessment materials presented in the Appendix to this State Final Attestation program.

5. REQUIREMENTS FOR GRADUATION QUALIFYING PAPER (DEGREE THESIS) AND PROCEDURE FOR ITS DEFENCE

A final qualifying work is a work completed by a student (or several students together) demonstrating the level of readiness of the graduate for independent professional activity.

The list of topics for final qualifying papers offered to students for completion is approved by the order of the head of the educational program implementing the educational program of higher education, and is communicated by the program head to the students of the final year no later than 6 months before the start date of the State Final Attestation.

Preparation and defense of a final qualifying work on a topic proposed by the student (students) is permitted in accordance with the established procedure.

A student who has passed the state examination is allowed to defend the final qualifying work.

Only a fully completed thesis, signed by the graduate(s) who completed it, the supervisor, consultant (if any), the supervisor of the issuing BUP and OUP, which has undergone the external review procedure (mandatory for Master's and Specialist's programs) and a check for the volume of borrowings (in the Antiplagiat system) is allowed to be defended. A supervisor's review of the graduate's work in preparing the thesis is mandatory attached to the thesis admitted to defense.

In order to identify and promptly eliminate deficiencies in the structure, content and design of the final qualifying work, no later than 14 days before the date of its defense, a rehearsal of the defense of the students' work (pre-defense) is held in the presence of the head of the final qualifying work and other teachers of the graduating BUP.

The defense of the final qualifying work is carried out at an open meeting of the state examination commission (SEC).

The certification test is conducted in the form of an oral report by students with a mandatory multimedia (graphic) presentation reflecting the main content of the final qualifying work.

Upon completion of the report, the defenders give oral answers to questions raised by the members of the State Examination Commission on the subject matter, structure, content or design of the final qualifying work and the profile of the educational program of higher education. The report and/or answers to questions from the members of the State Examination Commission may be in a foreign language.

The stages of completing the final qualifying work, requirements for the structure, volume, content and design, as well as the list of mandatory and recommended documents submitted for defense are specified in the relevant methodological guidelines.

The assessment of the results of the defense of the final qualifying work is carried out in accordance with the methodology set out in the assessment materials presented in the Appendix to this State Final Attestation program.

6. REQUIREMENTS FOR EQUIPMENT AND TECHNOLOGY SUPPORT FOR FINAL STAE EXAMINATION

The first stage of the State Examination (computer testing) is conducted in a computer room equipped with personal computers, a board (screen) and technical means for multimedia presentations.

The second stage of the state examination and defense of the final qualifying work is held in a seminar-type classroom equipped with a set of specialized furniture and technical means for multimedia presentations.

7. RESOURCES RECOMMENDED FOR FINAL STATE EXAMINATION

Main literature:

- p.: ill.. 1. Popov V.P. World plant growing. Study guide M.: RUDN, 2007, 744
600 p. 2. Kolomeichenko V.V. Plant growing Textbook. - M.: Agribusinesscenter, 2007. -
3. Popkova K.V. General phytopathology, Drofa Publishing House, 2005
4. Zinchenko V.A. Chemical protection of plants. 2007. Publishing house "KolosS",
5. Valkov V.F., Kazeev K.Sh., Kolesnikov S.N. Soil Science. 2006, published by
"March"
6. Vasiliev N.P., Tulikov A.M., et al. Practical training in agriculture. Moscow:
"KolosS",
2005
7. Zayets V.G. Textbook on entomology. Moscow: RUDN University Press, 2006.

Resources of the information and telecommunications network "Internet":

RUDN EBS and third-party EBSs, to which university students have access
on the basis of concluded agreements:

- Electronic library system of RUDN: [site]. URL:<http://lib.rudn.ru/MegaPro/Web>
- Electronic library system "University Library Online": [site]. URL:<http://www.biblioclub.ru/>
- Educational platform "Urait": [website]. URL: <https://urait.ru/>
- Electronic Library System "Lan": [website]. URL: <https://e.lanbook.com/>
- Educational platform "Urait": [website]. URL: <https://urait.ru/>

Databases and search engines:

- Electronic fund of legal and normative-technical information: [website]. URL:
<https://docs.cntd.ru/>
- Search engine "Yandex": [site]. URL: <https://yandex.ru/>
- Google Search Engine: [site]. URL: <https://www.google.com/>

*Educational and methodological materials for independent work of students in
preparation for passing the State Examination and/or completing the final qualifying work and
preparing the work for defense *:*

1. Methodological guidelines for the implementation and design of final qualifying work
on the educational program of higher education "General Agronomy".
2. The procedure for checking final qualifying work for the volume of borrowings in the
Antiplagiat system.
3. The procedure for conducting the State Final Attestation on the educational program of
higher education "General Agronomy" using DOT, including the procedure for identifying the
graduate's identity.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF GRADUATES' COMPETENCES LEVEL

The assessment materials and the grading system* to evaluate the graduate's level of
competences (competences in part) formation as the results of the higher education programme
completion are specified in the Appendix to this syllabus.

* The assessment materials and the grading system are formed on the basis of the requirements of the relevant
local normative act of RUDN University (regulations / order).

HEAD OF EDUCATIONAL DEPARTMENT

Director
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E. N. Pakina

HEAD OF HIGHER EDUCATION PROGRAMME

Professor
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E. N. Pakina