

“APPROVED”

Rector of the IUK,

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REGULATION ON ON THE SCIENTIFIC RESEARCH WORK OF STUDENTS

1. GENERAL PROVISIONS

1.1 This regulation was developed on the basis of the Law of the Kyrgyz Republic "On Education" dated April 30, 2003 No. 92, the Law of the Kyrgyz Republic "On Science and the Foundations of State Scientific and Technical Policy" dated June 16, 2017 No. 103, Charter of the "IUK" dated January 30, 2017, Development Strategy of the «IUK" for the period from 2018 to 2023. and determines the procedure for organizing all types of scientific research work of students (SRWS) in the «IUK".

2. Goals and objectives of student’s scientific research work

2.1. Objectives of SRWS:

- increasing the level of professional and creative training of students, improving the forms of attracting young people to scientific research;
- using the creative potential of students to solve urgent problems of science;
- ensuring the unity of educational (educational and upbringing), scientific and practical processes;

2.2. Tasks of SRWS:

- to form an idea of the main stages of research activities;
- to teach to use the conceptual apparatus of scientific research in work;
- teach to work with various information sources;
- teach to work with scientific literature, including literature in a foreign language (teach to read, understand and analyze);
- to teach how to write an abstract work of a survey nature;
- teach to use various research methods and select adequate ones;
- develop skills in planning and conducting an experiment;
- develop analytical skills, including the ability to analyze and generalize their own results and to summarize;
- teach to process, including statistically, the results of scientific work;
- to teach to formalize the results of scientific work in various forms (term and final qualification works, publications, electronic presentations, etc.);
- to teach to report the results of research work in various audiences (a message in a basic institution, a report at a department meeting, a report at a conference, a speech at a problem seminar, at a round table, etc.);
- provide experience of participation in scientific discussion, including when discussing their own activities;
- provide experience in opposing and reviewing someone else's research work;
- to ensure the integration of training sessions and research work of students;
- to identify the most gifted and prepared students who have a pronounced motivation for research activities, to create favorable conditions for the development of their creative abilities.

3. Organizational forms of scientific research work of students

The main forms of student research work are:

3.1. Academic and research work of students (ARWS), according to curricula: the implementation of educational tasks, including during the period of industrial and educational practice, laboratory work, coursework and final qualification works containing elements of scientific research or having a real

research character, the study of the theoretical foundations of the methodology, formulation, organization of scientific research in the course "Fundamentals of Scientific Research", which can be included in the curriculum.

3.2. Individual scientific research work (ISRWS), carried out in the department and interdepartmental student scientific societies and circles under the guidance of a specific scientific supervisor from among the teaching staff.

3.3. Participation in organizational mass events based on the results of SRWS:

- student scientific conferences in the days of science;
- contests for the best scientific work of students at "IUK", as well as republican contests.

4. Stages of research work

The SRWS system should ensure the continuous participation of students in research work throughout the entire period of study, taking into account professional training. In the branch, a phased sequence of scientific research work is carried out in accordance with the logic of the educational process, with a gradual complication of the scientific work performed.

The scientific research work of students is divided into two stages:

4.1. The first stage: connected with the study of general humanitarian, socio-economic, general mathematical and natural science disciplines (for 1-2 courses), during which students are familiarized with the basics and elements of scientific research, skills of independent work on in-depth study of fundamental sciences, love for the chosen specialty is fostered.

The forms of research work at this stage are mainly ARWS and partly SRSW, in which students "discover" the knowledge that constitutes part of the program material of academic disciplines (sections, topics), and apply them to solving educational or applied problems.

4.2. The second stage: associated with the study of professional and special disciplines. At this stage, students are directly involved in the research work carried out in the departments. They are entrusted with specific theoretical and practical developments. As a rule, these studies are carried out within the framework of general professional and special disciplines during their study and implementation of practical independent work, coursework and final qualification works, as well as during the passage of all types of internships.

The forms of research work at this stage are ARWS and ISRWS, with the latter predominantly prevailing.

5. Organization of student research work

5.1. To implement the general organization, functioning and control of SRWS, by order of the rector of the university, a head of SRWS is appointed, who, in order to carry out the functions assigned to him, has the right to:

- to make proposals to the vice-rector for science and development on the organization of scientific research work;
- require the participants of the SRWS to comply with this Regulation on SRWS;
- submit to the educational part a report on the work done on research work and their special opinion on issues related to the work of research work;
- to take other actions in order to organize the functioning and to ensure proper control over the observance of the requirements of this provision by all participants of the research work

5.2. Scientific Research work of students in all its forms specified in clause 3 of these Regulations is carried out directly at the departments or as part of student scientific societies or circles organized at the initiative of students or departments.

5.3. The head of the department is responsible for organizing and planning the scientific work of students. His duties include not only leadership, but also the assessment of the work of students and leaders, drawing up a consolidated research work plan, summing up and reporting on the results of students' scientific activities.

At the departments, the direct scientific leadership of SRWS is entrusted to professors, associate professors, leading teachers (full-time employees with entry into an individual work plan in accordance with the approved standards) - from 3 to 6 (optimally 4-5) students from different courses and specialties;

5.4. Student scientific work is an inseparable part of theoretical education (which is fixed in state educational standards), therefore, each student in each educational discipline is involved in research work in one form or another. The department, taking into account the goals and objectives of students' research work, their forms and stages, formulated in this Regulation, independently determines and concretizes the form of student participation in research work, and the general principles of this participation, content, scope of work, reporting and assessment criteria are reflected in the corresponding programs courses, types of educational work, practice programs, teaching aids, guidelines and recommendations for the implementation of individual assignments, computational

and graphic works, scientific abstracts, coursework and final qualification works and other educational and methodological materials.

5.5. The supervisor of student scientific work in junior courses is a teacher leading the corresponding discipline, and in senior courses, especially when performing individual complex scientific work carried out on the basis of knowledge, skills and abilities in a cycle of disciplines, the supervisor is appointed by the decision of the department.

5.6. As a report on the research work performed by the student, the following are counted:

- self-performed educational work with elements of research, included in the curriculum (individual task; calculation and graphic work; scientific essay, practice report; course work; final qualification work, etc.);
- report on individual educational research work;
- report on scientific work on the topic ...;
- report at a scientific conference;
- scientific article (publication);
- software;
- materials prepared for presentation at exhibitions and competitions
- other (at the suggestion of the department).

5.7. The assessment of the student's research work is taken into account in the overall assessment of the discipline, completed course work, based on the results of practice and other types of work.

5.8. During each semester, the departments can conduct planned scientific seminars with the participation of students, at which their reports on the results of scientific work are heard.

In the course of such seminars, students develop the skills of preparing theses of scientific reports, the ability to report and defend the results of their research.

5.9. In April of each calendar year, a student scientific conference is held at the branch, at which the departments present the best student scientific work. Based on the results of the student scientific conference, a collection of abstracts of students' reports is published.

5.10. Every year, at the end of the academic year, the university organizes a competition of coursework, educational research and scientific works of students,

the best of which are recommended and presented for participation in city, regional, interuniversity and international scientific student conferences, competitions and exhibitions.

5.11. Students participating in research work free of charge use the equipment, computers and other equipment of educational and scientific departments of the university.

6. The system of encouraging student scientific work

The functioning and development of student scientific work provides for measures to encourage and stimulate students.

6.1. The main forms of encouragement and incentives are:

- taking into account the results obtained in the process of performing scientific work, when assessing knowledge in disciplines, coursework and practices (credits; exams; crediting of completed research projects as coursework) at various stages of training;
- nominating the most gifted students for state and personal scholarships, scholarships established by various organizations and foundations, etc .;
- presentation of the best student works for competitions, exhibitions and other organizational-mass events, providing for the awarding of the winners;
- business trip to participate in various domestic and foreign scientific forums of students;

6.2. For the successes achieved in research work, students can be awarded with certificates of honor, diplomas, valuable gifts, the title of laureate, sent to participate in prestigious exhibitions, conferences, contests, Olympiads.

6.3. University graduates who successfully combine active research work with good academic performance can be recommended by the Academic Council of the «IUK»:

- for admission to the magistracy, doctoral PhD. and postgraduate studies with the granting of the right of preferential enrollment;
- to fill vacant positions at the university after graduation.

7. Reporting of departments on scientific research work of students

7.1 At the end of each academic year, the departments submit to the Department of Science a report on the research work of students in the prescribed form.

7.2. Indicators of students' research work carried out under the leadership of departments are taken into account when assessing the activities of departments and teachers.

8. Final provisions

8.1. Changes to the Regulations are made at the suggestion of the head and officials who have agreed on the Regulations.