
“APPROVED”
Rector of the EI “RMU”
cand. of med. sciences
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REGULATIONS
ON STUDENT RESEARCH WORK AT
THE EDUCATIONAL INSTITUTION
“ROYAL METROPOLITAN UNIVERSITY”

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TABLE OF CONTENTS

1. GENERAL PROVISIONS.....	3
2. ORGANIZATIONAL FORMS OF STUDENT RESEARCH WORK...4	
3. STAGES OF STUDENT RESEARCH WORK.....4	
4. FINAL PROVISIONS.....	7

GENERAL PROVISIONS

1.1. These Regulations have been developed based on the Law of the Kyrgyz Republic “On Education” No. 92 of April 30, 2003, the Law of the Kyrgyz Republic “On Science and the Fundamentals of State Scientific and Technical Policy” No. 103 of June 16, 2017, the Charter of RMU dated January 30, 2017, and the Development Strategy of RMU for the period from 2018 to 2023, and define the procedure for organizing all types of student research work (SRW) at RMU.

Goals and Objectives of Student Research

Objectives of SRW:

- to enhance the level of students professional and creative training and improve methods for engaging young people in scientific research;
- to utilize students’ creative potential to address pressing scientific challenges;
- ensuring the unity of educational (instructional and formative), scientific, and practical processes;

Objectives of student research:

- to develop an understanding of the main stages of scientific research;
- teaching students to apply the conceptual framework of scientific research in their work;
- to teach students how to work with various information sources;
- to teach students how to work with scientific literature, including literature in a foreign language (to teach them to read, understand, and analyze);
- to teach students how to write a review paper;
- teach students to use various research methods and select appropriate ones;
- develop skills in planning and conducting experiments;
- develop analytical skills, including the ability to analyze and synthesize one’s own results and draw conclusions;
- teach students to process the results of scientific work, including through statistical analysis;
- teach students to present the results of scientific work in various formats (course papers, final qualification papers, publications, electronic presentations, etc.);
- teach students to present the results of research work to various audiences (presentation at the home institution, report at a department meeting, conference presentation, presentation at a problem-based seminar, roundtable discussion, etc.);
- provide experience in participating in academic discussions, including

discussions of one's own work;

- provide experience in critiquing and reviewing others' research work;
- to ensure the integration of academic classes and students' research work;
- identify the most gifted and well-prepared students who are highly motivated to engage in research activities, and create favorable conditions for the development of their creative abilities.

2. Organizational Forms of Student Research

The main forms of student research work are:

Educational and Research Work (ERW), as part of the curriculum: completion of academic assignments, including during industrial and academic internships, laboratory work, term papers, and final qualification projects that contain elements of scientific research or are of a genuine research nature; study of the theoretical foundations of methodology, formulation, and organization of scientific research in the course "Fundamentals of Scientific Research," which may be included in the curriculum.

Individual research work (IRW) carried out in departmental and interdepartmental student research societies and clubs under the guidance of a specific research advisor from among the faculty.

Participation in large-scale events based on the results of IR: student research conferences during Science Days; competitions for the best student research work at RMU, as well as national competitions.

3. Stages of Student Research

The student research system must ensure continuous student participation in research throughout the entire period of study, taking into account professional training. The branch implements a phased sequence of student research in accordance with the logic of the educational process, with the complexity of the research projects gradually increasing.

Student research work is divided into two stages:

First stage: is associated with the study of general humanities, socio-economic, general mathematics, and natural science disciplines (in the first and second years), during which students are introduced to the fundamentals and elements of scientific research, develop skills for independent work on the in-depth study of the fundamental sciences, and cultivate a love for their chosen specialty.

The forms of research work at this stage are primarily UIRS and partially NIRS, in which students "discover" for themselves the knowledge that constitutes part of the curriculum of academic disciplines (sections, topics), and apply it to solving academic

or applied problems.

Second stage: involves the study of professional and specialized disciplines. At this stage, students are directly involved in research work conducted in the departments. They are assigned specific theoretical and practical research projects. As a rule, this research is conducted within the framework of general professional and specialized disciplines during their study and the completion of independent practical assignments, term papers, and final qualification projects, as well as during all types of internships.

The forms of research work at this stage are UIRS and INIRS, with the latter predominating.

4. Organization of Student Research

To ensure the overall organization, operation, and oversight of NIRS, the university rector appoints a NIRS director, who, in performing the duties assigned to them, has the right to:

submit proposals to the Vice Rector for Science and Development regarding the organization of NIRS;

require NIRS participants to comply with these NIRS Regulations;

submit to the academic department a report on the work performed under the NIRS and his or her special opinion on issues related to the activities of the NIRS;

take other actions to organize the functioning of the program and to ensure proper oversight of compliance by all participants in the student research program with the requirements of these Regulations.

Student research in all its forms, as specified in paragraph 3 of these Regulations, is conducted directly within

departments or within student research societies or clubs, organized at the initiative of students or departments.

The department chair is responsible for organizing and planning students' research work. His or her duties include not only supervision but also evaluating the work of students and supervisors, compiling a consolidated plan for student research, summarizing the results, and reporting on the outcomes of students' research activities.

Within the departments, direct academic supervision of student research is entrusted to professors, associate professors, and senior lecturers (full-time faculty members with such responsibilities included in their individual work plans in accordance with approved standards)—from 3 to 6 (optimally 4–5) students from different years and majors;

Student research is an integral part of theoretical education (as stipulated in state educational standards), therefore every student in every academic discipline is involved in research work in one form or another. The department, taking into account the goals and objectives of student research work as formulated in these Regulations, as well as its forms and stages, independently determines and specifies

the form of student participation in research work, while the general principles of this participation, content, scope of work, reporting, and evaluation criteria are reflected in the relevant course syllabi, types of academic work, internship programs, textbooks, methodological guidelines, and recommendations for completing individual assignments, computational and graphical work, research papers, term papers, and final qualification projects, as well as other educational and methodological materials.

The supervisor of student research work in the lower grades is the instructor teaching the relevant discipline, and in the upper grades, especially when performing individual comprehensive research work based on knowledge, skills, and competencies across a range of disciplines, the research supervisor is appointed by a decision of the department.

The following are accepted as reports on the research work completed by a student:

independent academic work with elements of research, included in the curriculum (individual assignment; computational and graphical work; research paper, internship report; term paper; final qualification project, etc.);

a report on individual academic research work;

a report on scientific work on the topic...;

presentation at a scientific conference; scientific article (publication);

software product;

materials prepared for submission to exhibitions and competitions at various levels;

officially recognized results of student work participation in exhibitions and competitions at various levels;

other (as recommended by the department).

The assessment of a student's research work is taken into account in the overall grade for the course, the completed term paper, the results of the internship, and other types of work.

During each semester, departments may hold scheduled research seminars with student participation, at which students present their reports on the results of their research work.

During such seminars, students develop skills in preparing abstracts for research presentations, as well as the ability to present and defend the results of their research.

In April of each calendar year, the branch holds a student research conference, to which the departments present the best student research papers. Based on the results of the student research conference, a collection of student abstracts is published.

Every year at the end of the academic year, the university organizes a competition for students' term papers, educational research projects, and scientific works; the best of these are recommended and submitted for participation in city, regional, interuniversity, and international student scientific conferences, competitions, and

exhibitions.

Students participating in research work have free access to equipment, computing resources, and other technical facilities of the university's academic and research departments.

System for Encouraging Student Research

The operation and development of student research work includes measures to encourage and motivate students.

The main forms of encouragement and incentives are:

taking into account the results obtained in the course of research work when assessing knowledge in disciplines, term papers, and internships (tests; exams; recognition of completed research projects as term papers) at various stages of study; nominating the most talented students for state and named scholarships, as well as scholarships established by various organizations and foundations, etc.;

submitting the best student work to competitions, exhibitions, and other large-scale events that include awards for winners;

sending students on business trips to participate in various domestic and international academic forums;

For achievements in research work, students may be awarded certificates of honor, diplomas, valuable gifts, and the title of laureate, and may be sent to participate in prestigious exhibitions, conferences, competitions, and academic contests.

University graduates who successfully combine active research work with good academic performance may be recommended by the Academic Council of RMU:

- for admission to master's, PhD, and postgraduate programs with priority enrollment;
- to fill vacant positions at the university upon graduation.

Departmental Reports on Student Research Activities

At the end of each academic year, departments submit a report on student research activities to the Department of Science using the prescribed form.

Indicators of student research work conducted under the guidance of departments are taken into account when evaluating the activities of departments and faculty members.

4. Final Provisions

Amendments to the Regulations are made upon the proposal of the head and officials who approved the Regulations.