

Approved
By the Board Resolution
of NJSC "Astana Medical University",
Protocol No. 12 dated 26 05 2026



REGULATION

INTEGRATED MANAGEMENT SYSTEM

ON THE IMPLEMENTATION OF STUDENTS' INTEGRAL GPA NJSC "ASTANA MEDICAL UNIVERSITY"

R-AMU-15-01-26

«АСТАНА МЕДИЦИНА УНИВЕРСИТЕТІ»
КОММЕРЦИЯЛЫҚ ЕМЕС АКЦИОНЕРЛІК ҚОҒАМЫ
АККРЕДИТАЦИЯ ЖӘНЕ САПАНЫ БАСҚАРУ
ДЕПАРТАМЕНТІ

ТҮПНҰСҚА/ОРИГИНАЛ

Astana city

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ДЕПАРТАМЕНТІ

ТІРКЕУ № 60

«04» 06 2026 ж.

FOREWORD

- 1 **DEVELOPED BY:** – Department of social and educational affairs
- 2 **DEVELOPER:** – Director of the department of social and educational affairs,
Shaimerdenova Z.N.
- 3 **IMPLEMENTED BY:** – Department of social and educational Affairs
- 4 **APPROVED:** No. 12 dated "26" 05 2026
- 5 **EFFECTIVE DATE:** « 26 » 05 2026
- 6 **AGREED WITH:**
 - Vice-Rector for academic affairs, Member of the Board, Dossanova A.K.
 - Vice-Rector for clinical affairs, Member of the Board, Shakenov A.D.
 - Vice-Rector for research, Member of the Board, Shulgau Z.T.
 - Vice-Rector for strategic development and international cooperation,
Member of the Board, Myssaev A.O.
 - Head of the legal support department, Tukbekova M.Ye.
 - Director of the department of social and educational affairs,
Shaimerdenova Z.N.
 - Student Rector, Saidakhbarova N.
- 7 **REVIEW FREQUENCY** As required

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1. General Provisions

1. This Regulation on the implementation of the integral GPA for students at Astana Medical University (hereinafter referred to as the Regulation) defines the procedure for calculating, recording, and applying the integral indicator of academic and extracurricular activity for students.

2. The Regulations are developed in order to implement paragraph 105 of the Government of the Republic of Kazakhstan's Action Plan for 2022 (approved by the Government of the Republic of Kazakhstan on April 25, 2022, No. 241), as well as in accordance with the Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated January 4, 2024, No. 2 "On Approval of Methodological Recommendations for the Implementation of the Integral GPA, including the Social GPA, for Students of Higher and Postgraduate Education Organizations."

3. The Regulations are developed in accordance with the current regulatory legal acts in the field of education, including:

- 1) The Constitution of the Republic of Kazakhstan dated August 30, 1995;
- 2) The Law of the Republic of Kazakhstan "On Education" dated July 27, 2007, No. 319-III;
- 3) The Law of the Republic of Kazakhstan "On State Youth Policy" dated February 9, 2015, No. 285-V ZRK.

4. The introduction of the integral GPA (hereinafter referred to as IGPA) at the Astana Medical University (hereinafter referred to as the University) is aimed at developing a competent, responsible, and socially active individual with a higher medical education who can contribute to the development of healthcare, science, and public health.

5. The IGPA indicator allows for a comprehensive assessment of a student's overall development based on their academic performance, research, social, cultural, and athletic achievements.

6. This Regulation is aimed at forming a sustainable system of students' development, integrating academic, scientific and social activities into a single indicator of the quality of training of future healthcare specialists.

7. IGPA is an internal university indicator and does not replace academic grades, but is used as an additional tool for monitoring students' achievements.

2. Main Section

8. This Regulation uses the terms and definitions listed in Table 1

Table 1. Terms and Definitions

Terms	Definitions
Integrated Grade Point Average (IGPA)	A comprehensive indicator of student development reflecting academic performance, research, social, volunteer, sports, and creative activities throughout the academic year. It serves as an additional indicator of a student's personal and professional development and is used for the comprehensive assessment of achievements.
Academic Achievements of a Student	The aggregate of knowledge, skills, and competencies acquired by a student during studies in higher and/or postgraduate education programs, characterizing the overall level of academic achievement, research skills, and social competencies.
Grade Point Average (GPA)	A weighted average assessment of a student's academic performance over a specific period within a chosen educational program, calculated as the ratio of the sum of products of credits and the numerical equivalent of final grades to the total number of credits earned during the period.
Research Achievements of a Student (iROS – Indicators of Research-Oriented Study)	A set of research skills and competencies acquired through research and project activities (including participation in hackathons and startups), measured through indicators and reflecting the average level of research competencies.

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Social and Sports Achievements of a Student (SSCI – Social and Sporty Competition Indicators)	A set of competencies acquired through community service activities, including volunteer work, social engagement, and sports participation, measured through indicators and reflecting the average level of social competencies.	
Research Competence	A combination of knowledge, abilities, skills, and experience required to conduct research, generate new knowledge, develop innovative products, create projects, and solve problems. The purpose of developing research competencies is to prepare graduates capable of conducting scientific research through continuous professional development and improvement.	
Social Competence	An integrative personal characteristic that enables an individual to adapt, interact constructively and effectively within society, perform professional tasks successfully, and fulfill various social roles. Social GPA serves as a convenient tool for accumulating and presenting practical experience, achievements, social engagement, and professional qualifications.	
Volunteer Activity	Unpaid socially beneficial activity performed by a student for the benefit of individuals, organizations, or communities and confirmed by official documents such as certificates, letters of appreciation, participant lists, or similar evidence.	
Creative Activity	Participation in cultural, artistic, educational, creative, patriotic, and public awareness events, including concerts, competitions, festivals, performances, and campaigns.	
Supporting Document	An official document (certificate, diploma, letter of appreciation, reference letter, order, participant list, etc.) confirming a student's participation in an activity considered in the calculation of IGPA.	
Information System	The University's electronic digital platform designed for registering student achievements, uploading supporting documents, verifying data, and calculating IGPA. The IGPA Information System serves as the official digital tool of the University for automating the collection, storage, processing, and calculation of IGPA indicators.	
IGPA Assessment System	A set of rules, procedures, and algorithms ensuring the collection, verification, recording, analysis, and calculation of the Integrated Grade Point Average (IGPA).	

9. TABLE 2. ABBREVIATIONS AND DESIGNATIONS

Table 2. Abbreviations and Designations

Abbreviation	Full Name / Description
IGPA — Integrated Grade Point Average	Integrated Grade Point Average – an additional indicator of student development reflecting academic, research, social, volunteer, sports, and creative activities.
DSEW	Department of Social and Educational Work – a structural unit of the University responsible for organizing, monitoring, and verifying social activity data of students.
University	Astana Medical University NJSC.
SR	Student Rectorate – a student self-government body participating in the verification of students' social and volunteer activities.
IS	Information System of the University used for uploading, storing, verifying supporting documents, and calculating IGPA.
SD	Supporting Documents (certificates, diplomas, letters of appreciation, references, participant lists, orders, etc.) used for recording student activities.
Academic Staff	Faculty members and academic personnel of the University.
DRD	Department of Research Development – the unit responsible for verifying students' scientific and research activities, including conferences, publications, and research projects.
SO	Student Organizations and Associations operating within the University.

10. PROCEDURE FOR IMPLEMENTATION OF THE INTEGRATED GPA:

1) The implementation of the Integrated Grade Point Average (IGPA) at the University is aimed at fostering students' social responsibility, leadership qualities, civic engagement, and increasing their involvement in social, sports, cultural, scientific, and volunteer activities.

2) The IGPA system shall apply to all University students regardless of the year of study, level of education, or mode of study and shall be implemented within a single academic year. The IGPA indicator shall be calculated annually based on documented student activities.

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3) The implementation and operation of IGPA shall be based on the following principles:

- voluntariness – participation at the discretion of students;
- objectivity and transparency of achievement assessment procedures;
- personal responsibility of students for the accuracy of submitted information;
- equal access to activities and opportunities for earning points;
- verification of all activities through official supporting documents;
- compliance with the principles of academic integrity;
- compliance with the legislation of the Republic of Kazakhstan and University regulations.

11. THE IGPA IMPLEMENTATION PROCESS INCLUDES THE FOLLOWING STAGES:

1. Registration and Submission of Data by Students

Students shall complete their electronic profile in the University Information System by indicating academic, scientific, social, volunteer, sports, and creative activities and attaching supporting documents for each activity.

2. Preliminary Verification of Data Completeness

The Information System shall automatically verify the completeness of mandatory fields and the correctness of uploaded file formats.

3. Verification of Information by Responsible Units

- The Department of Social and Educational Work (DSEW) shall verify and confirm social, cultural, volunteer, and sports activities.
- The Department of Research Development (DRD) and academic schools shall verify scientific activities.
- Schools, departments, curators, the Student Rectorate (SR), and Student Organizations (SO) shall provide data and participant lists related to activities within their areas of responsibility.
- Activities shall only be considered if supported by official documentation.

4. Generation of Preliminary IGPA Ranking

Following verification, the Information System shall automatically generate a preliminary student ranking.

5. Confirmation of Final Data

Responsible units shall review, verify, and, where necessary, adjust the submitted data before approving final results.

6. Calculation of Final IGPA

The final IGPA score shall be calculated automatically for the academic year and the subsequent summer period according to the approved formula and recorded in the University's Information System no later than September 1 of the following academic year.

12. The IGPA indicator shall be cumulative from the date of implementation. Achievements obtained in previous years shall not be considered in the calculation of IGPA.

13. The implementation of IGPA shall be accompanied by regular communication with students regarding available activities, opportunities for earning points, procedures for document verification, and submission deadlines. Information shall be published on the official University website and through DSEW information resources.

14. Responsibility for the organization, methodological support, accuracy of records, and timely implementation of IGPA shall rest with:

1. Department of Social and Educational Work;
2. Department of Research Development;
3. Schools and Departments of the University;
4. Student Self-Government Bodies.

15. The University shall ensure technical support, data security, and operation of the Information System used for IGPA calculation.

16. TECHNICAL IMPLEMENTATION

1. The Department of Digitalization shall be responsible for the development, implementation, and maintenance of automation tools related to IGPA processes.

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2. Students shall complete their electronic profiles in the University-approved Information System by indicating all activities and uploading supporting documents.

3. Verification of data shall be conducted by:

- DRD – verification and assessment of research activities;
- DSEW – collection, processing, and systematization of activity data;
- Schools, Departments, and Student Self-Government Bodies – verification of students’ social activities.

17. STUDENT MOTIVATION POLICY

1) The policy for motivating students to participate in social, sports, volunteer, creative, and scientific activities aims to encourage active citizenship, personal and professional development, and improve graduate competitiveness.

2) Incentive measures may include:

- publication of student achievements on the University's official website, social media platforms, and the University's Honor Board "University Pride";
- consideration for accommodation in student dormitories;
- recommendations for participation in national and international events, olympiads, and competitions;
- Rector's Letters of Appreciation and awards from the Ministry of Health, the Ministry of Science and Higher Education, and other state authorities;
- consideration during nomination for named scholarships, academic mobility programs, and international internships under equal competitive conditions;
- consideration in grant competitions under equal conditions;
- support for joining student scientific communities;
- support for advancement within student self-government bodies;
- recommendation letters for employment and admission to Master's, Residency, and Doctoral programs;
- funding support for publications indexed in Scopus, Web of Science, and other international databases.

The University may annually approve additional incentive measures for students demonstrating high IGPA performance.

18. PROCEDURE FOR ORGANIZING AND ASSESSING IGPA COMPONENTS

1) Assessment of IGPA components shall be conducted to develop students’ academic, research, social, civic, leadership, and teamwork competencies.

2) Assessment shall ensure comprehensive recognition of students’ contributions to academic, scientific, and social activities at the University, city, national, and international levels.

3) IGPA Components include:

- Academic Performance (GPA);
- Research Achievements (iROS);
- Social and Sports Achievements (SSCI).

19. MAIN DIRECTIONS OF STUDENT COMPETENCY DEVELOPMENT

1. Development of academic performance and professional knowledge;
2. Development of research skills, critical thinking, and scientific reasoning;
3. Development of communication, leadership, presentation, and organizational skills;
4. Development of legal, digital, ethical, and civic literacy;
5. Promotion of social responsibility, tolerance, and cooperation;
6. Increased student engagement in scientific, social, cultural, sports, and volunteer projects.

20. GENERAL ASSESSMENT APPROACHES

Assessment of iROS and SSCI indicators shall be conducted with consideration of the level of participation (University, city, national, and international levels) and converted into a unified 100-point scale.

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The workload of research and social activities shall be measured in credits and shall take into account the time invested and achieved outcomes.

The Integrated GPA shall be calculated using the following formula:

$$\text{IGPA} = 0.5 \times \text{GPA} + 0.35 \times \text{iROS} + 0.15 \times \text{SSCI}$$

Where:

GPA – Academic Performance;

iROS – Research Achievements;

SSCI – Social and Sports Achievements.

21. ASSESSMENT OF RESEARCH COMPETENCIES (iROS)

1) The assessment of research competencies of students of Astana Medical University NJSC shall be carried out in accordance with the regulatory legal acts of the Republic of Kazakhstan in the field of higher and postgraduate education and shall be aimed at developing research, clinical-analytical, and evidence-based competencies in medicine and public health.

2) Students' research activities shall include the search and analysis of scientific information, application of evidence-based medicine principles, conduct of clinical and scientific research, interpretation of research findings, formulation of conclusions, and implementation of research outcomes into healthcare practice.

3) The main indicators of students' research activities shall include:

- participation in scientific and clinical research projects, grants, startups in the fields of medicine and public health;
- participation in scientific and clinical internships, including those conducted at healthcare organizations and research centers;
- publications (articles, abstracts), conference presentations, participation in scientific forums and symposiums;
- participation and prize-winning places in subject olympiads, scientific project competitions, and hackathons;
- participation in student scientific societies, scientific schools, and organization of scientific events;
- obtaining intellectual property results, including patents, copyright certificates, and methodological developments.

4. Assessment shall be carried out considering:

- level of participation (institutional, city, national, international);
- role of the student (participant, presenter, organizer, prize winner);
- quantity and quality of completed activities.

All indicators shall be converted into a unified 100-point scale.

5. The final iROS score shall be calculated as the sum of the products of points awarded for research activities and their weighting coefficients:

$$\text{iROS} = \sum (\text{RA} \times \text{WC})$$

Where:

RA – Research Activity Score;

WC – Weighting Coefficient.

22. ASSESSMENT OF SOCIAL COMPETENCIES (SSCI)

1) Assessment of social competencies of students of Astana Medical University NJSC shall be carried out within the framework of IGPA and aimed at developing professionally significant personal, communicative, and civic competencies required for future healthcare professionals.

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2) Social competencies shall be developed through academic, educational, and extracurricular activities and shall contribute to preparing socially responsible specialists capable of effective interaction with patients, colleagues, and society.

3) Social competencies shall include personal and communication skills such as:

- resilience and stress management;
- empathy;
- professional ethics of healthcare workers;
- teamwork;
- leadership;
- professional communication skills.

4) The primary indicators of social activity shall include:

SL (Service Learning) – volunteer activities, including medical and social projects, preventive and educational campaigns;

Com (Communication) – participation in student self-government, event organization, and information activities;

Cr (Creativity) – participation in cultural, educational, and project initiatives;

SHL (Sport and Healthy Lifestyle) – participation in sports activities and promotion of healthy lifestyles;

ID (Intellectual Development) – participation in educational, cultural, and intellectual events;

PS (Public Speaking) – public presentations, participation in forums, debates, and conferences.

5. Assessment shall be conducted taking into account:

- level of participation (institutional, city, national, international);
- role of the student (participant, organizer, coordinator, leader);
- degree of involvement.

6. The final SSCI score shall be calculated according to the following formula:

$$SSCI = \sum (SA \times WC)$$

Where:

SA – Social Activity Score;

WC – Weighting Coefficient.

7. All social activities shall be recognized only if supported by official documentation and converted into a unified 100-point scale.

23. RECORDING OF STUDENT ACTIVITY DATA

The recording of student activity data shall include:

1. automatic retrieval of academic performance data from the University Information System;
2. registration by students of information regarding research and social activities;
3. uploading supporting documents in the prescribed format;
4. verification of submitted information by responsible units;
5. entering final scores into the electronic IGPA calculation system.

24. RESPONSIBILITIES FOR DATA COLLECTION, VERIFICATION, AND PROCESSING

The following units shall be responsible:

1. Department of Academic Affairs – provision of academic performance (GPA) data;
2. Department of Research Development (DRD) – verification of scientific activities, including conferences, publications, and research projects;
3. Department of Social and Educational Work (DSEW) – accounting and verification of social, cultural, sports, and volunteer activities;
4. Student Self-Government Bodies – confirmation of student participation in events and preparation of participant lists;

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5. Structural Units of the University (schools, departments, student organizations) – confirmation of participation in activities within their areas of responsibility.

25. QUALITY MONITORING OF IGPA COMPONENTS

Annual monitoring of the quality of recording academic, scientific, and social activities shall be carried out by the Department of Social and Educational Work jointly with the Department of Academic Affairs and the Department of Research Development in order to ensure the objectivity, transparency, and effectiveness of the IGPA system.

26. APPEALS PROCEDURE

In case of disagreement with the IGPA calculation results, a student shall submit a written appeal to the Department of Social and Educational Work using the form established in Appendix 4.

The appeal shall be reviewed by a Commission consisting of:

- a representative of the Student Rectorate responsible for research or educational activities;
- the Student Ombudsperson;
- a representative of the Department of Social and Educational Work.

3. REVIEW, AMENDMENT, STORAGE AND DISTRIBUTION

27) Review, amendment, storage, and distribution of these Regulations shall be carried out in accordance with the requirements of the University Standard "Document Management" (SU-AMU-37-02).

28) The original copy of these Regulations together with an extract from the Minutes of the Management Board meeting shall be registered and stored by the Department of Accreditation and Quality Management.

29) A scanned version of these Regulations shall be posted on the official University website in the section “For Employees”.

30) An electronic copy of these Regulations shall be distributed to all structural units through the Electronic Document Management System (EDMS).

Distribution of Scores and Weighting Coefficients for Research Activity Indicators (iROS)

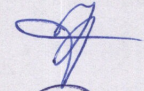
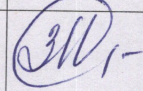
№	Research Activity Indicators (Medical Focus)	University Level	National Level	International (Kazakhstan)	International (Abroad)	Weighting Coefficient	Fraction, %
1	Research Activities (Participation in scientific and clinical research, grants, and startups in the fields of medicine and public health)	40	60	80	100	0,3	30
2	Innovative and Inventive Activities (Development and implementation of medical and digital solutions, obtaining patents and copyright certificates, participation in startups and commercialization projects based on research outcomes)	40	60	80	100	0,15	15
3	Publications (Publications, presentations, scientific articles, abstracts, and competencies related to the use of medical equipment)	40	60	80	100	0,2	20
4	Scientific Competitions (Prize-winning places in Olympiads, scientific competitions, hackathons, and scientific exhibitions)	40	60	80	100	0,2	20
5	Scientific Symposiums and Academic Events (Participation in and organization of scientific conferences, symposiums, student scientific societies, and forums)	40	60	80	100	0,1	10
6	Other Research Activities	40	60	80	100	0,05	5
	TOTAL					1,0	100

Distribution of scores and weighting coefficients by indicators of social activity (SSCI)

№	Indicators of social activity (medical specifics)	University Level	National Level	International (Kazakhstan)	International (Abroad)	Weighting Coefficient	Fraction, %
1	Volunteerism (volunteering (medical campaigns, screenings,	50	60	80	100	0,2	20

№	Indicators of social activity (medical specifics)	University Level	National Level	International (Kazakhstan)	International (Abroad)	Weighting Coefficient	Fraction, %
	health education, public assistance, "Green" and digital projects))						
2	<i>Creative activities</i> (participation in creative and educational projects (videos on healthy lifestyle, contests, debates, KVN, and media content))	50	60	80	100	0,2	20
3	<i>Sports</i> (participation in sports events, promotion of a healthy lifestyle, and organization of preventive campaigns)	50	60	80	100	0,15	15
4	<i>Contribution to the university image</i>	50	60	80	100	0,05	5
5	<i>Conference, briefing, public speech</i> (public speeches (conferences, forums, debates, TEDx, medical education of the population))	50	60	80	100	0,15	15
6	<i>Organization and participation in student self-government bodies</i> (participation in student self-government, work as part of collegial bodies and working groups (by order of the rector).	50	60	80	100	0,2	20
7	<i>Other</i>	50	60	80	100	0,05	5
	TOTAL					1,0	100

Approval Sheet

№	Position	Full Name	Date of Approval	Signature	Position
1.	Director of the department of accreditation and quality management	Zhunussova A.B.	04.06.2020		
2.	Director of the department of social and educational work	Shaimerdenova Z.N.	04.06.2020		
3.					
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