



THE MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN
FEDERATION
FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION OF HIGHER
EDUCATION
"URAL STATE UNIVERSITY OF ECONOMICS"
(USUE)

«APPROVED»

Rector of USUE



Y.P. Silin

« 10 » January 2023

REGULATIONS

on the International Student Competition
"Tournament of Natural Sciences"

Ekaterinburg

2023

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1. General Provisions

1.1. This Regulation (hereinafter referred to as the Regulation) regulates the procedure for organizing and holding the International Student Competition "Tournament of Natural Sciences" (hereinafter referred to as the Tournament).

1.2. The tournament is held within the framework of the Congress of Entrepreneurship and Engineering of the Eurasian Economic Youth Forum (hereinafter EEYF). Internet address of the EEYF website www.eurasia-forum.ru

1.3. Tournament Organizer:

FSBEI HE "Ural State University of Economics" (USUE), Department of Physics and Chemistry.

1.4. Tournament Organizers:

Universities-organizers of foreign and regional EEYF sites that have chosen this tournament for implementation on their sites. The list of foreign and regional sites that have chosen this Tournament is indicated on the Tournament page of the Congress of Entrepreneurship and Engineering of the EEYF website, as well as on the foreign/regional Sites of the EEYF website themselves

1.5. Tournament partners:

– Institute of Electrophysics of the Ural Branch of the Russian Academy of Sciences (Institute of Electrophysics of the Ural Branch of the Russian Academy of Sciences);

– Federal State Budgetary Educational Institution of Higher Education "Ural State Forest Engineering University"

– Federal State Budgetary Educational Institution of Higher Education "Ural State Agrarian University"

– Federal State Budgetary Educational Institution of Higher Education "Ural State Mining University"

1.6. The purpose of the Tournament is to improve the quality of training specialists, increase students' interest in applied sciences and technologies, identify and develop students' interest in natural sciences, promote natural science knowledge, and identify gifted youth.

2. Thematic areas of the Tournament

The tournament is held within the framework of 3 interrelated natural science disciplines:

- 1) Physics (fundamental provisions and modern applied areas).
- 2) Chemistry (general and organic).
- 3) Biology (basics of life sciences and modern biotechnologies)

3. Terms of participation in the Tournament

3.1. Students of educational institutions of higher education in Russia aged 18 to 25 years old (hereinafter referred to as Participants) are invited to participate in the Tournament.

3.2 Team participation in the Tournament. The final of the Tournament is held in full-time format. The team size is 5 people.

3.3. Each organization has the right to submit only one team to the Tournament.

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3.4. There is no registration fee for participation in the Tournament. Expenses for accommodation of non-resident participants, food and transportation costs for participation in the full-time stage of the competition are paid by the participants themselves, or by sending organizations.

4. Procedure and terms of the Tournament

4.1. The tournament is an annual event and is held during the summer semester during the EEYF finals. The final dates for the Tournament, as well as its main stages, are established by the order of the rector of the Ural State University of Economics.

4.2 The tournament is held in three stages.

4.2.1. The first stage is the acceptance and registration of applications from participating teams; as well as a team essay prepared as part of the annual task published on the Tournament page of the EEYF website. Checking applications for compliance with the requirements for participants.

The first stage is carried out by the Organizing Committee of the Competition within the time limits set by the Directorate of the Eurasian Economic Youth Forum.

4.2.2. The second stage - (qualifying) assessment of the essays of the participating teams registered and admitted to the Competition based on the results of the first stage; determination of the finalists of the Competition.

The assessment of the essay is carried out by the expert commission of the Tournament. Lists of the best 5 participating teams invited to participate in the Tournament are formed. Lists of finalists are published on the Tournament page of the EEYF website. In the event that a team cannot participate in the tournament for any reason, the team that took 6th place in the preliminary selection is invited to take its place.

4.2.3. The third stage is the (final) holding of the final events of the Tournament in a full-time remote format; determination of winners and prize-winners of the Tournament.

The third stage is held in the form of competitions between the participating teams to solve applied and theoretical scientific problems and defend them during the debate during the Science Battle.

5. Requirements for registering for the Tournament and completing a team essay

5.1. Applications for participation in the Tournament are submitted electronically through a special registration form on the EEYF website www.eurasia-forum.ru.

5.2. Applications are accepted within the deadlines set by the EEYF Organizing Committee and posted on the Tournament page of the EEYF website.

5.3. To participate in the Tournament, the following package of documents must be submitted:

1) each team member's application for participation in the Tournament (Appendix 1) is submitted by filling out the participant's registration form on the EEYF website. The captain of the team is registered as "captain" and in the registration form in the section "subject of work" indicates the name of the team / motto of the team. The rest of the team members are registered as a "team member", indicating the same team name / team motto in the "subject of work".

2) an essay by the team on the topic: "Comment to the news published in the media from the world of science and technology." The subject of the news should be within the main thematic areas of

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the Tournament - the essay is attached as a separate file to the registration form when registering the team captain.

5.4. Team essay requirement.

The essay of the team is a completed preliminary task, the conditions of which are annually posted on the page of the Tournament of the EEFYF website.

6. The order of the Tournament and the criteria for evaluating teams

6.1. At the tournament, the participating teams are offered no more than 5 tasks that involve the use of knowledge in the field of physics, chemistry, biology. Each team selects 3 tasks from 5 proposed tasks by drawing lots.

6.2. An expert commission of the Tournament is created to evaluate the performances of the teams of participants. All decisions of the expert commission are recorded and signed by the chairman, secretary and members of the expert commission (Appendix 2).

6.3. The expert commission evaluates the performance of tasks according to the following criteria:

- 1) team presentation - up to 10 points;
- 2) the team's ability to explain a process or phenomenon using natural science knowledge - up to 10 points;
- 3) non-standard approach to the task - up to 15 points;
- 4) defense (answers to questions from experts and opponents) - up to 20 points.
- 5) the ability of the selected opponents to debate with the opposing teams - up to 10 points.

7. Tournament Management

7.1. The Tournament is managed by the EEFYF Directorate and the Organizing Committee of the Tournament.

7.2. To organize and conduct the Tournament, an organizing committee is formed, approved by the order of the rector of USUE. The organizing committee includes:

- Chairman of the EEFYF;
- co-chairman of the EEFYF;
- Scientific Supervisor of the Tournament;
- Tournament coordinators - teachers of the Department of Physics and Chemistry, USUE;
- Chairman and members of the expert commission of the Tournament;
- developers of competitive tasks;
- representatives of organizations - partners of the Tournament,
- Secretary of the Tournament.

The supervisor, coordinator(s) and members of the expert committee are published annually on the Tournament page of the EEFYF website.

7.2.1. Chairman of the Organizing Committee:

- approves the Regulations on the Tournament, signs the order on holding the Tournament and the composition of the Organizing Committee of the Tournament, the order on the composition of the expert commission of the Tournament;

- carries out general management of the organization and conduct of the Tournament events.

7.2.2. Organizing committee co-chair:

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– directly manages the organization and conduct of the EEYF, within which the Tournament is held, together with the Tournament's supervisor, form the composition of the Tournament's expert commission.

7.2.3. To conduct an expert assessment of the performance of the preliminary task by the participating teams (team essay) and evaluate the work of the teams during the Tournament, an expert commission of the Tournament is created.

The chairman of the expert commission of the tournament is the director of the EEYF Service Technology Congress. The expert commission of the Tournament includes highly qualified teachers, leading scientists and specialists from the EEYF organizers, as well as invited experts. The composition of the expert commission is from 5 to 7 people, including more than half of them are representatives of third-party organizations.

7.2.4. Academic Supervisor of the Tournament:

- prepares a draft Regulation on the Tournament and submits it for approval to the rector, prepares changes and additions to it;
- is a co-chairman of the expert commission of the Tournament;
- selects the composition of the expert commission of the Tournament;
- approves the competition tasks for the preliminary assessment of the teams and the holding of the Tournament itself.

7.2.5. Tournament Coordinator:

- ensures the invitation of members of the expert commission of the Tournament;
- sends information letters to the universities of the Russian Federation no later than three months before the Tournament;
- organizes the registration and verification of received applications according to the established requirements for participants;
- sends out information letters about the participation of the participating teams in the final of the Tournament;
- organizes and controls the course of the Tournament;
- organizes the work of the expert commission during the second and third stages of the Tournament;
- organizes the issuance of diplomas and the awarding of winners and prize-winners of the Tournament;
- draws up a report on the conduct of the Tournament.

7.3. Information about the composition of the organizing committee and the expert commission of the Tournament is published annually on the Tournament page of the EEYF website.

8. Awarding of winners

8.1. According to the results of the full-time part of the Tournament, the winning team and the prize-winning teams of the Tournament are determined, all members of these teams are awarded with Diplomas of I, II, III degrees for 1, 2 and 3 places, respectively.

The participating teams that take 4th and 5th places are awarded with Diplomas for 4th and 5th places, respectively. All participants of the second stage receive certificates of participants in the Tournament.

8.2. The participants of the winning team and prize-winning teams of the Tournament are awarded cash prizes within the prize fund of the Tournament, established on the basis of the order of the rector of USUE and in accordance with the protocol of the expert commission of the Tournament.

The cash prize is distributed among all team members in equal shares.

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Cash prizes (including income tax) are transferred by the organizer of the Tournament within 1.5 months to the personal accounts of the winners and prize-winners according to the details provided to the Tournament coordinator, as well as upon timely provision of copies of other requested documents.

9. Coordinates of the Organizing Committee of the Tournament

Tournament Organizer: Ural State University of Economics (USUE)

Address: 620144. Ekaterinburg, st. March 8/Narodnaya Volya, 62/45

Tel.: (343) 283-13-28; Fax: (343) -283-13-25

Official website of the organizer: www.usue.ru

Official website of the Tournament and the Eurasian Economic Youth Forum (EEYF): www.eurasia-forum.ru

Department of USUE responsible for holding the Tournament: Department of Physics and Chemistry.

The contact details of the Tournament coordinator are indicated on the Tournament page of the EEYF website.

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Appendix 1

PARTICIPANT'S STATEMENT International Student Competition "Tournament of Natural Sciences"*

Please accept my application for participation in the All-Russian competition of students "Tournament of Natural Sciences". I provide the following information about myself:

Member	Surname	
	Name	
	Patronymic	
	Date of Birth	
	Place of study (university)	
	Group, course	
	Specialty, area of training	
	contact number	
	e-mail	
	Team Name / Team Motto	
Scientific adviser	Surname	
	Name	
	Patronymic	
	Academic degree, title	
	University (organization)	
	contact number	
	e-mail	

*The application is submitted in the form of filling out the registration form of the participant on the specialized website of the EEYF.

1) The captain of the team is registered as "captain" and in the registration form in the section "subject of work" indicates the name of the team / motto of the team. The rest of the team members are registered as team members, indicating the same team name / team motto in the "topic of work".

2) the essay is attached as a separate file to the registration form when registering the team captain.

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Appendix 2

MINUTES OF THE MEETING OF THE EXPERT COMMISSION

on determining the winners and prize-winners of the International Student Competition

"Tournament of Natural Sciences",

_____ № _____
Ekaterinburg city

Composition of the expert commission:

Chairman of the expert commission:

Full name. _____ – position _____

Chairman of the expert commission:

Full name. _____ – position _____

Members of the expert commission:

Full name. _____ – position _____

Agenda of the meeting of the expert commission:

Determining the winners and prize-winners of the International Student Competition "Tournament of Natural Sciences".

According to the results of the first stage of the International Student Competition "Tournament of Natural Sciences", _____ teams-participants were allowed to participate in the final.

After evaluating the performances of the teams, the commission decided:

1. Set the following marks for the participating teams on a 65-point scale:

Table 1 - Average scores of participating teams

№	Name of the participating team / motto of the team	Name of university, organization	Points earned

2. In accordance with the points scored, assign the following award documents to each contestant of the final (final) stage of the Tournament direction

Table 2 - Award documents of participating teams

№	Name of the participating team / motto of the team	FULL NAME. team members	Name of university, organization	Type of award document cash prize for each team member

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2. Recognize as the winner of the International Student Competition
"Tournament of Natural Sciences"

(team name, organization)
 Recognize as a prize-winner (II place) of the International Student Competition
 "Tournament of Natural Sciences"

(team name, organization)
 Recognize as a prize-winner (III place) of the International Student Competition
 "Tournament of Natural Sciences"

(team name, organization)

Chairman of the expert commission _____ / full name
 Signature

Co-chairman of the expert commission _____ / full name
 Signature

Member of the expert commission _____ / full name
 Signature

Secretary _____ / full name
 Signature