

Ferenc Rákóczi II Transcarpathian Hungarian University
Department of Biology and Chemistry

Minutes of Meeting No. 10
on the Review of the Educational Programme
Date: 27 February 2026

Level of Higher Education: First (Bachelor's) Level

Field of Knowledge: A Education

Specialty: A4 Secondary Education

Educational Qualification Awarded: Bachelor of Secondary Education (Biology and Human Health)

Participants

Educational Programme Guarantor

Andrik Eva, Candidate of Biological Sciences, Associate Professor, Department of Biology and Chemistry, Ferenc Rákóczi II Transcarpathian Hungarian University; Chair of the Project Group.

Members of the Project Group

Polin Irén, Candidate of Agricultural Sciences, Associate Professor, Department of Biology and Chemistry.

Hadnagy István, Doctor of Philosophy (PhD), Associate Professor, Department of Biology and Chemistry.

Academic Staff Involved in the Delivery of the Educational Programme

Kohut Erzsébet, Doctor of Philosophy (PhD), Head of the Department of Biology and Chemistry, Associate Professor.

Csoma Zoltán, Doctor of Philosophy (PhD), Associate Professor.

Kolozsvári István, Doctor of Philosophy (PhD), Associate Professor (participated online).

Sabov Marian, Candidate of Chemical Sciences, Associate Professor.

Lovas Gábor, Candidate of Physical and Mathematical Sciences, Assistant Lecturer.

Lenyók-Thegze Andrea, Doctor of Philosophy (PhD), Lecturer.

Takács Gabriella, MSc, Assistant Lecturer.

Kutasi Kamila, Lecturer, Assistant Lecturer.

Zselicky István, MSc, Senior Lecturer.

Illár Lénárd, MSc, Senior Lecturer.

Jakab Eleonora, MSc, Senior Lecturer.

Molnár Kristina, MSc, Lecturer.

Kopor Zoltán, MSc, Assistant Lecturer.

Bak Eva, Senior Lecturer.

Representatives of Graduates and Student Self-Government

Bíró Renata, second-year full-time student enrolled in Specialty 091 Biology and Biochemistry.

External Stakeholders (Employers)

Mekhed Olha, Candidate of Biological Sciences, Associate Professor, Head of the Department of Biology, Taras Shevchenko National University "Chernihiv Collegium" (participated online).

Gál Erika, Mathematics Teacher of the Highest Qualification Category, Principal of the Velyka Dobron Reformed Lyceum with a specialisation in Biology and Chemistry.

Babyak Edit, Head of the Department of Education and Culture, Berehove City Council, Zakarpattia Region (participated online).

Matiieha Olha, Candidate of Agricultural Sciences, Senior Research Fellow, Institute of Agricultural Resources and Regional Development, National Academy of Agrarian Sciences of Ukraine (participated online).

Kormosh Svitlana, Doctor of Agricultural Sciences, Head of the Laboratory of Vegetable and Spice-Aromatic Crops, Institute of Agricultural Resources and Regional Development, National Academy of Agrarian Sciences of Ukraine (participated online).

Representatives of Placement Institutions

Babiyak Edit, Head of the Department of Education and Culture, Berehove City Council (participated online).

Gál Erika, Mathematics Teacher of the Highest Qualification Category, Principal of the Velyka Dobron Reformed Lyceum with a specialisation in Biology and Chemistry.

External Experts from Other Higher Education Institutions

Gamulya Yuriy, Candidate of Biological Sciences, Associate Professor, Dean of the Faculty of Biology, Associate Professor of the Department of Botany and Plant Ecology, V. N. Karazin Kharkiv National University (participated online).

Hromakova Alla, Candidate of Biological Sciences, Associate Professor, Head of the Department of Botany and Plant Ecology, V. N. Karazin Kharkiv National University (participated online).

Lukash Oleksandr, Doctor of Biological Sciences, Professor, Taras Shevchenko National University "Chernihiv Collegium" (participated online).

Lazar István, Associate Professor, Department of Meteorology, Institute of Earth Sciences, Faculty of Science and Technology, University of Debrecen, Hungary (participated online).

1. In accordance with the Laws of Ukraine *On Education* and *On Higher Education*; the **Licensing Conditions for Conducting Educational Activities by Educational Institutions** (approved by Resolution of the Cabinet of Ministers of Ukraine No. 1187 of 30 December 2015, as amended by Resolution No. 365 of 24 March 2021); the provisions of the **Concept of Quality Assurance in Education** of Ferenc Rákóczi II Transcarpathian Hungarian University (hereinafter referred to as **the University**), including the **Regulations on the Organisation of the Educational Process**, the **Regulations on the Educational Programme Guarantor and the Specialty Support Group**, the **Regulations on Stakeholders of Educational Programmes**, the **Regulations on the Development and Revision of Educational Programmes**, and the **Methodological Guidelines for the Development and Revision of Educational Programmes**; Standard 1.2 of the **Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG)**; and Rector's Order No. 143-Vn of 23 December 2025, an extended meeting of the Department of Biology and Chemistry was convened to review, evaluate and revise the first-cycle (Bachelor's) Educational Programme *Biology and Human Health*.

2. During the meeting, the participants reviewed and analysed:

- the requirements for the development and revision of educational programmes;
- the **Regulations on the Development and Revision of Educational Programmes**;
- the requirements of the Higher Education Standard for the relevant specialty at the corresponding level of higher education;
- the draft Higher Education Standard;
- the requirements of the Professional Standard (where applicable);
- Order of the Ministry of Education and Science of Ukraine No. 1225 of 29 August 2024 **On Approval of the Professional Standard for the Profession "Teacher of a General Secondary Education Institution"**;
- amendments to the legislation of Ukraine and regulatory acts of the Ministry of Education and Science of Ukraine and the National Agency for Higher Education Quality Assurance (NAQA) concerning higher education;
- Resolution of the Cabinet of Ministers of Ukraine No. 266 of 29 April 2015 **On Approval of the List of Fields of Knowledge and Specialties for the Training of Applicants for Higher Education and Professional Pre-Higher Education** (as amended by Resolution No. 188 of 21 February 2025);

- regulatory documents governing higher education:
<https://kmf.uz.ua/uk/strukturni-pidrozdily/viddil-zabezpechennja-jakosti-vishhoi-osviti/rada-iz-zabezpechennja-jakosti-vishhoi-osviti/normativni-dokumenti-u-sferi-vishhoi-osviti/>
- relevant orders, regulations and other administrative documents issued by the University:

<https://kmf.uz.ua/uk/infocenter/>

<https://kmf.uz.ua/uk/category/nakazi/>

- recommendations and observations arising from previous accreditation procedures relating to other Educational Programmes of the Department and/or the University:

<https://kmf.uz.ua/uk/licenziya/>

<https://kmf.uz.ua/uk/strukturni-pidrozdily/kafedri/kafedra-biologii/dokumenti-ta-materiali/>

Expert Group Report following the accreditation review of the Educational Programme *Natural Sciences*:

https://kme.org.ua/wp-content/uploads/2026/04/zvit-eg_op_prirodnichi-nauki.pdf

Expert Opinion adopted by the Sectoral Expert Council (SEC) following consideration of the accreditation case:

https://kme.org.ua/wp-content/uploads/2026/04/ekspertnij-visnovok_ger_op_prirodnichi-nauki.pdf

- the experience of domestic and foreign higher education institutions:

<https://www.rshu.edu.ua/navchannia/osvitni-prohramy/bakalavr/3893-op-bakalavr-2025-rik-vprovadzhennia>

<https://fpo.uhsp.edu.ua/home/fakultet/kafedry/osvitni-prohramy/>

<https://kornyezet.nye.hu/>

- admission statistics, including the number of applications submitted, students enrolled and students withdrawn from the Educational Programme:

<https://kmf.uz.ua/uk/strukturni-pidrozdily/viddil-kontingentu-studentiv-ta-spri/>

- the results of student assessment:

<https://kmf.uz.ua/uk/strukturni-pidrozdily/viddil-kontingentu-studentiv-ta-spri/>

- the results of student satisfaction surveys:

<https://kme.org.ua/uk/strukturni-pidrozdily/viddil-zabezpechennja-jakosti-vishhoi-osviti/rada-iz-zabezpechennja-jakosti-vishhoi-osviti/>

<https://kme.org.ua/uk/strukturni-pidrozdily/kafedri/kafedra-biologii/dokumenti-ta-materiali/zvit-pro-opituvannja-z-metoju-vimirjuvannja-rivnja-zadovolenosti-studentiv-bsc/>

- the results of surveys of the academic staff involved in the delivery of the Educational Programme:

<https://kmf.uz.ua/uk/strukturni-pidrozdily/viddil-kontingentu-studentiv-ta-spri/>

- the results of stakeholder surveys:

<https://kmf.uz.ua/uk/strukturni-pidrozdily/viddil-kontingentu-studentiv-ta-spri/>

- comments and recommendations regarding the Educational Programme published on the official website of the University:

<https://kme.org.ua/uk/programs/01-osvita-pedagogika-014-serednja-osvita-biologija/>

- reviews and recommendations provided by employers and other external stakeholders:

<https://kme.org.ua/uk/programs/01-osvita-pedagogika-014-serednja-osvita-biologija/>

- external expert reviews of the Educational Programme:

<https://kme.org.ua/uk/programs/01-osvita-pedagogika-014-serednja-osvita-biologija/>

- compliance of the academic staff involved in the delivery of the Educational Programme with the requirements of paragraphs 37 and 38 of the Licensing Conditions:

<https://zakon.rada.gov.ua/laws/show/1187-2015-%D0%BF#Text>

Kohut Erzsébet:

- drew attention to the implementation timeline established by Rector's Order No. 143-Vn of 23 December 2025 **On the Development, Review, Analysis, Publication and Approval of Draft Educational Programmes for the 2026/2027 Academic Year**;
- proposed continuing, in accordance with Rector's Order No. 22-Vn of 28 February 2024, the active involvement of national and international practitioners, subject experts and employer representatives in the educational process at the University;

- emphasised the importance of maintaining regular scholarly publication, the preparation of teaching and methodological materials, and the continuous professional development of the academic staff.

Andrik Eva:

- proposed revising the **Employment Opportunities** section by limiting the list of professional positions in accordance with the content of the Educational Programme and the requirements of the Professional Standard. The titles of positions should be verified against the current edition of the **Classifier of Professions**:

<https://me.gov.ua/Profession/List?lang=uk-UA&id=d4162ef8-2771-4ac5-99ef-1d4b6f5336af&tag=KlasifikatorProfesii-Poshuk>

- proposed including, in addition to the ISCED-F 2013 code, a justification for its selection in the **Educational Programme Profile** section;
- proposed revising the Programme Learning Outcomes in accordance with the Professional Standard **Teacher of a General Secondary Education Institution**, systematising the alignment between educational components and the descriptors of the National Qualifications Framework, thereby providing a clearer demonstration of the logic underlying the achievement of Programme Learning Outcomes;
- proposed including in the structure of the Educational Programme a matrix demonstrating the correspondence between the Programme Learning Outcomes and the descriptors of the National Qualifications Framework;
- proposed revising the structural and logical framework of the Educational Programme in order to enhance the sequencing and coherence of the educational components in accordance with the principles of logical progression, continuity and consistency.

Hadnagy István:

- proposed dividing the course paper into two separate components:
 1. *Biology and Human Health*;
 2. *Biology, Human Health and Teaching Methodology*;
- proposed expanding the catalogue of elective educational components in the fields of biology and teaching methodology, taking into account proposals submitted by students.

Polin Irén:

- noted that, in accordance with the recommendations of expert panels arising from the accreditation of other teacher education programmes, competencies related to digital technologies, STEM education, research activities and innovative teaching methods should be further strengthened.

Bíró Renata:

- proposed strengthening integrated teaching methodologies in order to promote a holistic understanding of the world, foster critical thinking and reinforce interdisciplinary links.

Kopor Zoltán:

- proposed transferring the first part of **Field Practice** from Semester 4 to Semester 2 in order to improve the structural and logical sequence of the Educational Programme and strengthen students' knowledge of the fundamental biological disciplines.

Kolozsvári István:

- proposed revising the title and structure of the methodological educational component as follows: **Methodological Foundations for the Organisation and Conduct of Scientific and Pedagogical Research**.

Gamulya Yuriy:

- proposed strengthening methodological training in accordance with the contemporary principles of the **New Ukrainian School (NUS)**;
- proposed incorporating the modules **Methodology of Teaching the Integrated Course "Natural Science"** and **Inclusive Education** into the methodological training component in order to ensure comprehensive coverage of the required professional competencies.

Gál Erika:

- proposed integrating the separate methodologies for teaching biological disciplines into more comprehensive educational components in accordance with the concept of the **New Ukrainian School (NUS)**;
- proposed strengthening the practical component of teacher education through the development of competencies required for teaching in inclusive educational environments and the effective use of modern digital technologies.

A separate item on the agenda concerned ensuring compliance with the principles of academic integrity by the University's staff and students, including the effective operation of mechanisms for the prevention and detection of academic plagiarism. Following the discussion, all participants expressed their support for the measures proposed.

RESOLVED:

Following the review and discussion of the first-cycle (Bachelor's) Professional Educational Programme *Biology and Human Health*, the participants resolved as follows:

1. To revise the first-cycle (Bachelor's) Professional Educational Programme *Biology and Human Health* in accordance with the current legislation of Ukraine and the University's internal regulations, while observing the implementation timeline established by Rector's Order No. 143-Vn of 23 December 2025 **On the Development, Review, Analysis, Publication and Approval of Draft Educational Programmes for the 2026/2027 Academic Year.**

2. During the revision of the Professional Educational Programme, to take into account the proposals submitted by the Head of the Department (**Kohut Erzsébet**) and the Educational Programme Guarantor (**Andrik Eva**):

- in the **Educational Programme Profile** section, include a justification for the selection of the **ISCED-F 2013** code:
Broad field: 01 Education
Narrow field: 011 Education
Detailed field: 0114 Teacher Training – Biology and Human Health

The Educational Programme is designed to prepare teachers of Biology and Human Health by integrating pedagogical, subject-specific and methodological training, including biology teaching methodology, the organisation of school-based experiments and laboratory work, and the assessment of students' learning outcomes.

Classification and positioning of the Educational Programme. The Programme is assigned to the relevant field of knowledge and specialty in accordance with the **List of Fields of Knowledge and Specialties** approved by Resolution of the Cabinet of Ministers of Ukraine No. 266 (as amended).

To ensure international comparability, transparency and the accurate classification of educational content, the Programme has been aligned with **ISCED-F 2013** in accordance with the Methodological Guidelines approved by Order No. 1734 of the Ministry of Education and Science of Ukraine of 31 December 2025.

The selected ISCED-F code reflects the dominant content of the Programme, taking into account its objectives, Programme Learning Outcomes and the expected professional activities of graduates. **ISCED-F 2013 code:** 0114.

- in the **Employment Opportunities** section, revise the description of graduates' professional activities in accordance with the Professional Standard and the current edition of the **Classifier of Professions**:

Type of Economic Activity (NACE 009:2010)

P Education

85 Education

85.3 Secondary Education

85.31 General Secondary Education

Professional Occupations (DK 003:2010)

2 Professionals

23 Professionals in Education and Training

232 Teachers of Professional Pre-Higher Education Institutions, Vocational (Vocational-Technical) Education Institutions and General Secondary Education Institutions

2320 Teacher of a General Secondary Education Institution.

- acknowledge that, during the previous five years, the Department of Biology and Chemistry has involved 47 visiting professors, associate professors and employer representatives from Ukraine and abroad in the educational process, and continue this practice;
- include in the structure of the Educational Programme a matrix demonstrating the correspondence between the educational components and the descriptors of the National Qualifications Framework;
- include in the structure of the Educational Programme a matrix demonstrating the correspondence between the Programme Learning Outcomes and the descriptors of the National Qualifications Framework;
- revise the structural and logical framework of the Educational Programme in accordance with the principles of logical progression, coherence and continuity;
- maintain regular scholarly publication, the preparation of teaching and methodological materials, and the continuous professional development of the academic staff.

3. During the revision of the Professional Educational Programme, to take into account the proposals submitted by the academic staff (**Hadnagy István, Polin Irén, Kolozsvári István and Kopor Zoltán**):

- to divide the course paper into two separate components: **Biology and Human Health** and **Biology, Human Health and Teaching Methodology**;
- to transfer the first part of **Field Practice** from Semester 4 to Semester 2;
- to expand the catalogue of elective educational components in the field of biology, taking into account proposals submitted by students. Beginning with the 2026/2027 academic year, introduce the following elective courses: **Ethnobotany, Biological Threats and Risks to Human Health in Transcarpathia**, and **Living Map of the Earth: Biogeography for Everyone**;
- to revise the title and structure of the methodological educational component as follows: **Methodological Foundations for the Organisation and Conduct of Scientific and Pedagogical Research**.
- to strengthen competencies related to the use of digital technologies, STEM education, research activities and innovative teaching methodologies.

4. During the revision of the Professional Educational Programme, to take into account the proposals submitted by the student representative (**Bíró Renata**):

- to strengthen integrated teaching methodologies in order to promote a holistic understanding of the world, foster critical thinking and reinforce interdisciplinary links.

5. During the revision of the Professional Educational Programme, to take into account the proposals submitted by external stakeholders (employers and representatives of placement institutions) (**Gál Erika**):

- to integrate the separate methodologies for teaching biological disciplines into more comprehensive educational components in accordance with the concept of the **New Ukrainian School (NUS)**:

- **Educational Component 9** *Methodology of Teaching Botany, Zoology and Ecology* and **Educational Component 11** *Methodology of Teaching General Biology* shall be integrated into **Educational Component 10** *Methodology of Teaching Biology (Botany, Zoology, Ecology and General Biology)*;
- **Educational Component 10** *Methodology of Teaching Anatomy, Age Physiology and Basics of Health* shall be renamed **Educational Component 11** *Methodology of Teaching Human Biology and Basics of Health*.

6. During the revision of the Professional Educational Programme, to take into account the proposals submitted by external experts from other higher education institutions (**Gamulya Yuriy**):

- to incorporate the modules *Methodology of Teaching the Integrated Course "Natural Science"* and *Inclusive Education* into the methodological training component in order to ensure comprehensive coverage of the required professional competencies.

7. During the revision of the Professional Educational Programme, to take into account the comments, recommendations and proposals regarding the Educational Programme published on the official website of the University.

8. During the revision of the Professional Educational Programme, to take into account the experience of foreign higher education institutions (**Lazar István**):

- to examine the feasibility of delivering selected modules of educational components in a foreign language beginning with the 2026/2027 academic year.

9. In accordance with the amendments introduced to the Professional Educational Programme following the monitoring results, to introduce the following revisions to the Curriculum:

- to transfer **Educational Component 32 – Field Practice** from Semester 4 to Semester 2, following the completion of **Educational Component 15 – Botany**, **Educational Component 16 – Zoology**, and **Educational Component 18 – General Ecology**;
- in accordance with paragraph 8.2.8.1 of the **Regulations on the Organisation of the Educational Process**, student certification shall take place upon the successful completion of the curriculum for the relevant educational level (240 ECTS credits for the first (Bachelor's) level). In the 2026 Educational Programme, certification shall consist of a certification examination in specialised disciplines and the public defence of the qualification thesis, without the allocation of ECTS credits;
- to include **Educational Component 35 – Preparation of the Qualification Thesis** in the Educational Programme as a compulsory practical training component carrying **3 ECTS credits**, with **pass/fail** assessment.

10. To submit the revised first-cycle (Bachelor's) Professional Educational Programme *Biology and Human Health* to the Department for Monitoring the Educational Process and the Higher Education Quality Assurance Council for review.

Date: 27 February 2026

Head of the Department

Dr Kohut Erzsébet

Educational Programme Guarantor

DrAndrik Eva