

Expert opinion
According to the content of the educational program
Code 6B01553 Biology and pedagogy of additional education

Date of examination: 26.11.2025

Expert: Melek Altiparmak Karakuş

Subject of the examination: Educational program

Level of training: 6

The direction of training: Biology teacher training

Developer: Pavlodar Pedagogical University named after A. Margulan

The educational program examination matrix
6B01553 Biology and pedagogy of additional education

4 points – corresponds in full;

3 points – corresponds, but there are minor deviations;

2 points – partially consistent, significant deviations;

1 point – does not meet the requirements of the State Educational Standard of Higher Education, higher professional education, and general requirements for program documentation.

#	Evaluation parameters	Evaluation parameters Expert evaluation (degree of compliance with the criterion in points)			
		1	2	3	4
1. Relevance of the educational program					
1.1	The content of the OP is relevant for the modern period of development of science and education				+
1.2	Compliance with the professional standard of the teacher				+
1.3	Compliance with the goals, objectives and conceptual foundations of the State Educational Standard of the Republic of Kazakhstan for Higher education and higher professional				+
education 1.4	Focus on meeting the labor market and employers' requirements				+
Total					
2. Compliance with the principles of the formation of the OP					
2.1	Orientation to the learning outcome - the competence of the teacher				+
2.2	Modularity in the construction of the OP and curriculum				+
2.3	Practical orientation of the OP				+

2.4	Maximum approximation of the assessment policy to the conditions of pedagogical activity			+	
2.5	The content of the OP allows you to organize the process of teaching students in the logic of the competence approach				+
2.6	The content of the OP is internally agreed				+
2.7	The OP contains new approaches to the organization of the educational process at the university, new strategies and technologies of teaching and learning, student-oriented				+
2.8	The OP is developed in accordance with modern requirements for teacher training				+
	Total				
3. Adaptability and manageability of the educational program					
3.1	Compliance of the results of the State Educational Standard of Higher Education and Higher professional education of the Republic of Kazakhstan (focus on the result, guarantee of its achievement)				+
3.2	The objectives of the EP are consistent with the learning outcomes				+
3.3	The structure of the EP meets the requirements defined by the State Educational Standard (for the content of HE and HPE with a focus on learning outcomes, the structure of training, the structure of the EP, the maximum amount of students' academic load, the number of credits, the level of students' training, and the duration of training)				+
3.4	Learning outcomes are formed both at the level of the entire OP, and at the level of individual modules or academic discipline				+
3.5	The training process involves the use of modern technologies, strategies, methods and techniques of training that contribute to achieving learning outcomes			+	
3.6	Assessment methods are focused on evaluating the learning outcome			+	
3.7	Compliance of the content with the structural elements of the OP: 1) Title page, approval and approval sheet; 2) EP passport; 3) Results of professional activity analysis; 4) Graduate competence model with learning outcomes; 5) Strategy, forms and methods of teaching and learning; 6) Monitoring and evaluation of students' educational achievements; 7) Inclusive education according to EP				+

3.8	Development plan of the OP with sections: - Information about the educational program - Information about students - Internal conditions for the implementation of the OP - Competitiveness and uniqueness of the OP - Information about teaching staff implementing the OP - SWOT-analysis of the external and internal environment of the implementation of the OP - Main risks of the implementation of the educational program and measures to minimize risks - Basic goals and objectives of the development plan of the OP and ways to achieve them - Expected results from the implementation of the OP development plan by 2029 - Educational program Development Plan				+
for 2024-2029 Total					
4. Realism and feasibility of the OP					
4.1	Staffing				+
4.2	Material and technical support			+	
4.3	Information and organizational and methodological support				+
4.4	Feasibility in terms of estimated costs: terms of implementation, degree of complexity for performers, resource availability, sufficiency of expected actions to achieve the goals				+
set Total					
5. Specificity, verifiability, and manageability of OP					
5.1	The specifics of the OP				+
5 profile are taken into account.2	The component of choice				+
is defined	Availability of diverse, productive forms of assessment of learning outcomes			+	
5.3	Availability of diverse, productive forms of assessment of learning outcomes				
5.4	Final certification evaluates the learning outcomes achieved upon completion of the study of the OP				+
5.5	Availability of various forms of training for the implementation of the OP, the formation of educational resources				+
5.6	Implementation of the activity-based approach through a set of pedagogical tools: using forms and methods of involving students in various activities, subjectivity of students			+	

	Total	114
	Total points	120

Conclusion:

Based on the results of the examination, it was established that the educational program 6B01553 “Biology and Pedagogy of Additional Education” **generally** complies with the requirements of the State Compulsory Standard of Higher Education of the Republic of Kazakhstan, the professional standard for teachers, as well as modern requirements for the training of biology teachers and specialists in additional education.

The content of the educational program is relevant and in demand under current conditions of development of science, education, and the labor market. The program is focused on the formation of professional and general pedagogical competencies of graduates, corresponds to the goals and objectives of higher education, and takes into account the expectations of employers and the needs of educational practice.

The educational program is designed on the basis of competence-based and outcome-oriented approaches, has a modular structure, internal logical coherence, and a clear alignment between goals, learning outcomes, and the content of academic disciplines. Learning outcomes are correctly formulated and ensured both at the level of the entire program and at the level of individual modules and courses.

The program is characterized by a strong practical orientation, the use of modern pedagogical technologies, methods, and forms of instruction, as well as an adequate assessment system focused on evaluating the achievement of the stated learning outcomes. Monitoring procedures and final certification allow for an objective assessment of the level of professional competence formation among graduates.

The educational program is realistic and feasible, supported by qualified teaching staff, appropriate material and technical resources, information, and methodological support. The Development Plan of the educational program for 2024–2029 is structured and comprehensive, includes a SWOT analysis, risk assessment, and expected outcomes, which indicates a strategic approach to the further improvement of the program.

Overall, the educational program demonstrates a high level of quality in design, manageability, and compliance with modern requirements of teacher education and may be recommended for implementation and further development.

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