

**Expert opinion
for the educational program
6B01550 "Biology"
Pavlodar Pedagogical University named after. Ә. Margulan**

The peer-reviewed educational program 6B01550 "Biology", qualification teacher of Biology and Natural Sciences contains information about the field, objects, type and tasks of professional activity and the graduate's competencies formed as a result of its development. The disciplines of the curriculum of the presented educational program form the entire necessary list of general cultural, general professional and professional competencies of the graduate.

The quality of the content of the curriculum is beyond doubt. The disciplines of the general, basic and major modules require serious training for future biology teachers. The program traces the logical sequence and continuity of disciplines. The compilers introduced the module "Concept of Modern Natural Science" into the educational program, which ensures the individualization of this educational trajectory.

Recently, various types of non-scientific types of knowledge have become increasingly widespread. Therefore, it is important to establish natural science knowledge in society. We are talking about mastering the basic concepts in the field of physics, chemistry, biology and other natural sciences, gaining ideas about the most important schools and directions in the development of modern natural science. This trajectory makes it possible for future teachers to develop a natural-scientific way of thinking and a holistic worldview, which will help them better master the teaching profession. Completion of the course will allow graduates to teach classes in the subject "Natural Science" in secondary schools.

It is pleasant to note that many disciplines are taught in English, which increases their competitiveness in the labor market.

In general, the reviewed educational program 6B01550 "Biology", qualification teacher of Biology and Natural Sciences, fully corresponds to the declared level of training and contributes to the formation of the competence of future graduates for their further successful activities.

As a recommendation, I propose that the university develop a new educational program "Biology with additional education", which will expand the graduate's activities and provide alternative employment opportunities.

Reviewer


Dr. Shujaul Mulk Khan

Member Pakistan Academy of Sciences
Associate Professor (Tenured)
Department of Plant Sciences
Quaid-i-Azam University-45320 Islamabad, Pakistan
Visiting Professor UNISG I-12042 Polignano, Italy
Vice President International Society of Ethnobiology
Voice; Mobile: +92 346 9134375
Office: +92 51 90643069

