|  |  |
| --- | --- |
| Educational program | 6В01501 Mathematics |
| EP purpose | Training of a specialist of the new formation, possessing professional and scientific competencies, capable of creatively and professionally solve at the modern scientific and practical level socially significant problems in the field of modern pedagogy, methods of teaching mathematics. |
| EP type | Acting EP |
| Level on NQF | 6 |
| Level on SQF | 6 |
| The awarded academic degree | bachelor |
| Period of study | 4 |
| Volume of the credits | 240 |
| Language of education | Kazakh, Russian, English |
| Date of approval of the OP at the Board meeting | 06.04.2022 (protocol No. 10) |
| Professional standard | Pedagogue |

|  |  |
| --- | --- |
| № | Learning outcomes: |
| 1 | To possess the ability to evaluate and apply research methods and innovative approaches in analyzing socially significant phenomena and processes in the legal, economic, industrial, environmental and anti-corruption policy. |
| 2 | To organize the educational process in the conditions of the updated content of secondary education, taking into account the physiological and functional features of the development processes, the individual educational needs of pupils and students |
| 3 | Own the methodology for solving various mathematical problems, carrying out intra-subject and inter-subject communications in oral and written forms |
| 4 | Apply fundamental knowledge of modern geometry in solving practical problems of professional activity |
| 5 | Apply strategies of updated educational content, forms and methods of distance learning and criteria-based assessment of expected results in professional activity |
| 6 | Analyze and synthesize concepts, facts and phenomena by mathematical methods in the field of physical and mathematical sciences |
| 7 | Conduct experiments in the field of classical sections of mathematics, master the methods of mathematical reasoning, mathematical terminology, methods for solving typical problems at a professional level |
| 8 | Develop short- and medium-term plans taking into account the principles, methods and technology of teaching mathematics |
| 9 | Solve mathematical problems in the field of school mathematics, mathematical analysis, algebra and differential equations |
| 10 | Evaluate modern methods of organizing research and project activities of students in the field of mathematics using information and pedagogical technologies, presenting the results of scientific research in various genres |