**The name of the academic discipline:**

**“Workshop for solving tasks in algebra”**

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| **Specialty code and name** | 6-05-0113-04 Physical and Mathematical Education (Mathematics and Informatics) |
| **Year of study** | 1, 2 |
| **Semester of study** | 2, 3, 4 |
| **Number of in-class academic hours:** | 138 |
| **Lectures****Seminar classes** **Practical classes****Laboratory classes** | 46 |
| - |
| 92 |
| - |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit /exam / exam |
| **Number of credit points** |  9 |
| **Competences** | Mastering the academic discipline "Workshop for Solving Problems in Algebra" should ensure the formation of basic professional competencies: applying a system of knowledge and skills in elementary mathematics to teach schoolchildren algebra and geometry, methods and technologies of algorithmization and programming for the implementation of the educational process. |
| **Summary of the academic discipline:**Workshop for Solving Problems in Algebra is an academic discipline that includes the following sections (disciplines): arithmetic and algebra; solving rational and irrational equations and inequalities; solving word problems; solving exponential and logarithmic equations and inequalities; solving trigonometric equations and inequalities; functions, their properties and graphs; equations and inequalities with parameters; logical and combinatorial problems. Studying the discipline "Workshop for Solving Problems in Algebra" allows you to teach future mathematics teachers general and specific methods of solving problems; develop strong skills and abilities in solving school mathematics problems; provide conditions for activating students' cognitive activity and developing their experience of mathematical activity in solving algebra problems. |