

**The name of the academic discipline:
“Methodology of teaching chemistry: specific issues”**

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| Specialty code and name | 1- 02 04 01 Biology and Chemistry |
| Year of study | 3, 4 |
| Semester of study | 6, 7 |
| Number of in-class academic hours: | 102 |
| Lectures | 24 |
| Seminar classes | 20 |
| Practical classes | 22 |
| Laboratory classes | 36 |
| Form of the current assessment (<i>credit/ graded credit /exam</i>) | credit / exam |
| Number of credit points | 6 |
| Competences | Mastering the academic discipline “Chemistry teaching methods: specific issues” should ensure the formation of universal competencies: carry out professional activities in the context of updating their goals, content, changing technologies, determine methods for solving professional problems, evaluate their effectiveness and quality. As well as basic professional competencies: design the learning process, set educational goals, select the content of educational material, methods and technologies based on the system of knowledge in the field of theory and methodology of pedagogical activity. Select the content, forms, methods and means of training and education, apply them in the educational process taking into account the age and psychological characteristics of students. Use specific teaching methods, apply systems of methodological knowledge, methods of activity, creative experience for the implementation of the educational process |

Summary of the academic discipline:

The academic discipline “Methodology of teaching chemistry: specific issues” is professionally oriented and aimed at training chemistry teachers. The methodology of teaching chemistry is based on the methodology adopted in domestic and foreign educational literature, and also takes into account modern trends and practices in the development of the national education system. “Methodology of Teaching Chemistry: Specific Issues” forms in students a system of methodological, practice-oriented knowledge and skills on specific issues of the school chemistry course, professional competencies of a chemistry teacher, and preparation for practical activities in the national education system.