**The name of the academic discipline:**

**“Physical and Colloidal Chemistry”**

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| **Specialty code and name** | 6-05-0511-04 Biomedical Science |
| **Year of study** | 2 |
| **Semester of study** | 3 |
| **Number of in-class academic hours:** | 56 |
| **Lectures****Seminar classes** **Practical classes****Laboratory classes** | 30 |
| - |
| 10 |
| 16 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit |
| **Number of credit points** | 3  |
| **Competences** | Mastering the academic discipline “Physical and Colloidal Chemistry” should ensure the formation of basic professional competencies: using the theoretical foundations of general and inorganic chemistry, methods of qualitative and quantitative analysis of substances, theoretical laws of physical and colloidal chemistry. |
| **Summary of the academic discipline:**The academic discipline "Physical and Colloidal Chemistry" is related to the disciplines of the state component. Its study is based on such disciplines as "General and Inorganic Chemistry", "Analytical Chemistry" and is necessary for further mastering by students of such specialized disciplines as "Organic Chemistry", "General Biochemistry", "Molecular Biology", "General Ecology", "Physicochemical Methods of Analysis in Medicine". The study of physical and colloid chemistry allows students to form an integral system of ideas about its role in the field of natural sciences, in scientific and technological progress, as well as in the development of modern industrial society. |