**The name of the academic discipline:**

**“Molecular Physics”**

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| **Specialty code and name** | 6-05-0113-04 Physical and Mathematical Education (Physics and Informatics) |
| **Year of study** | 2 |
| **Semester of study** | 3 |
| **Number of in-class academic hours:** | 104 |
| **Lectures**  **Seminar classes**  **Practical classes**  **Laboratory classes** | 38 |
| - |
| 28 |
| 38 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | exam |
| **Number of credit points** | 6 |
| **Competences** | To have a command of classical sections of physics and astronomy in order to carry out educational research activities. |
| **Summary of the academic discipline:**  Introduction. Fundamentals of the molecular-kinetic theory of gases. Elements of statistical methods. Fundamentals of thermodynamics. Van der Waals gas model. Liquids. Solids. Phase transitions. Transfer phenomenon. | |