**The name of the academic discipline:**

**“Physics”**

|  |  |
| --- | --- |
| **Specialty code and name** | 1-02 05 01 Mathematics and Informatics |
| **Year of study** | 4 |
| **Semester of study** | 7, 8 |
| **Number of in-class academic hours:** | 102 |
| **Lectures****Seminar classes** **Practical classes****Laboratory classes** | 26 |
| - |
| 32 |
| 44 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit / exam |
| **Number of credit points** | 6 |
| **Competences** | The specialist must apply research methods in the field of physics and astronomy to implement the educational process. |
| **Summary of the academic discipline:**Physical foundations of classical mechanics. Fundamentals of molecular physics and thermodynamics. Electricity and magnetism. Wave and quantum optics. Elements of atomic physics, quantum mechanics, solid state physics. Elements of nuclear physics and nuclear physics. |