**The name of the academic discipline:**

**“Laser Physics”**

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| **Specialty code and name** | 1-02 05 02 Physics and Informatics |
| **Year of study** | 4 |
| **Semester of study** | 8 |
| **Number of in-class academic hours:** | 46 |
| **Lectures**  **Seminar classes**  **Practical classes**  **Laboratory classes** | 20 |
| - |
| 26 |
| - |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit |
| **Number of credit points** | 3 |
| **Competences** | Apply the basic principles of optics and quantum physics to solve problems of interdisciplinary and practice-oriented content; apply theoretical and practical skills, research methods in the field of astronomy, electrodynamics and theoretical physics. |
| **Summary of the academic discipline:**  Physical principles of obtaining laser radiation.  Classification of lasers and features of their design.  Control of laser radiation and laser operating modes.  Methods for studying the characteristics of laser radiation.  Application of laser radiation in modern science and technology. | |