**The name of the academic discipline:**

**“Computer modeling of physical processes”**

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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:** | 42 |
| **Lectures**  **Seminar classes**  **Practical classes**  **Laboratory classes** | 12 |
| - |
| - |
| 30 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit |
| **Number of credit points** | 3 |
| **Competences** | Apply a system of knowledge and skills in the field of computational methods, computer modeling, and educational robotics. |
| **Summary of the academic discipline:**  1. Introduction to numerical modeling.  2. Data analysis and numerical methods.  3. Algorithms and numerical methods.  4. Modeling of physical systems.  5. Special models and phenomena. | |