**The name of the academic discipline:**

**“Probability Theory and Mathematical Statistics”**

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| **Specialty code and name** | 6-05-0612-01 Software Engineering |
| **Year of study** | 2 |
| **Semester of study** | 3 |
| **Number of in-class academic hours:** | 50 |
| **Lectures****Seminar classes** **Practical classes****Laboratory classes** | 26 |
| - |
| - |
| 24 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | exam |
| **Number of credit points** | 3 |
| **Competences** | Have the ability to analyze processes occurring in society, carry out their sociological diagnostics, predict, prevent or minimize the consequences of crisis phenomena in various spheres of life. Apply the tools of probability theory and mathematical statistics to form a probabilistic approach in engineering activities. |
| **Summary of the academic discipline:**Basic concepts of probability theory. Random variables. Limit theorems of probability theory. Basic concepts of descriptive statistics. Point estimation. Testing statistical hypotheses. |