**The name of the academic discipline:**

**“Econometrics”**

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| **Specialty code and name** | 6-05-0311-05 Economic Informatics |
| **Year of study** | 2 |
| **Semester of study** | 4 |
| **Number of in-class academic hours:** | 68 |
| **Lectures**  **Seminar classes**  **Practical classes**  **Laboratory classes** | 34 |
| - |
| 16 |
| 18 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | exam |
| **Number of credit points** | 3 |
| **Competences** | Mastering the academic discipline “Econometrics” should ensure the development of basic professional competencies: applying concepts, methods of econometrics, econometric models, and tools for quantitative assessment of statistical dependencies of indicators of socio-economic development; applying basic methods of quantitative analysis, modeling, and optimization of econometric models to solve management problems. |
| **Summary of the academic discipline:**  In the course of teaching the discipline “Econometrics”, the stages of the emergence and development of econometrics are examined, methods for constructing and evaluating the quality of paired and multiple regressions are studied; the phenomena of multicollinearity and heteroscedasticity of random residuals are studied, as well as forecasting based on the multiple regression model. The possibilities of constructing regression with different types of variables, different types of regression with dummy variables are studied; the econometrics of time series is considered. | |