

**Academic discipline:
“Econometrics”**

Code and name of specialty	1-26 03 01 Information Resource Management
Training course	2
Semester of training	4
Number of class hours:	72
Lectures	36
Seminar classes	-
Practical exercises	36
Laboratory classes	-
Form of intermediate assessment (credit/differential credit/exam)	exam
Number of credits	4
Competencies to be formed	To apply the concepts, methods of econometrics, econometric models and tools for quantifying statistical dependencies of indicators of socio-economic development; to apply the basic methods of quantitative analysis, modeling and optimization of econometric models to solve management problems
Summary of the content of the academic discipline:	
<p>In the process of teaching the discipline "Econometrics", the stages of the emergence and development of econometrics are considered, 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 a regression with different types of variables, different types of regression with dummy variables are being studied; The econometrics of time series is considered, starting with the modeling of an isolated time series, time series models to models with lag variables.</p>	