

Academic discipline:
"Multidimensional statistical analysis of sociological data"

Code and name of specialty	1-23 01 05 Sociology
Training course	3
Semester of training	5
Number of class hours:	16
Lectures	12
Seminar classes	4
Practical exercises	-
Laboratory classes	-
Form of intermediate assessment (credit/differential credit/exam)	credit
Number of credits	3
Competencies to be formed	To carry out preliminary statistical data analysis in order to establish a data model, to identify the cluster structure of data and abnormal observations; to carry out statistical analysis of multidimensional data in order to establish statistical dependencies by methods of correlation, regression and variance analysis between variables; to carry out statistical analysis of the homogeneity of multidimensional data based on graphical analysis and statistical criteria; to classify heterogeneous data using methods discriminant and cluster analysis
<p>Summary of the content of the academic discipline:</p> <p>The educational discipline “Multidimensional statistical analysis of sociological data” introduces students to classical and modern methods of solving problems of statistical data analysis, which include description of data and their primary statistical processing, assessment of unknown characteristics and parameters, study of the statistical properties of the obtained estimates, study of relationships between indicators, testing statistical hypotheses.</p>	