Academic discipline:
"Methods of applied statistics"

Code and name of specialty	1-23 01 04 Psychology
Training course	1
Semester of training	2
Number of class hours:	68
Lectures	26
Seminar classes	14
Practical classes	14
Laboratory classes	14
Form of current assessment (credit/differential credit/exam)	зачет
Number of credits	2
Competencies to be formed	To solve standard tasks of professional activity based on the use of information and communication technologies. To conduct statistical analysis of empirical data using computer technology.

Brief content of the academic discipline:

The discipline "Methods of applied statistics" is an important component of the culture of psychological research. The content of the discipline involves consideration of the following issues:

- the essence and technology of applying the methods of applied statistics in the conduct of modern scientific psychological research;

- basic methods of descriptive statistics and graphical representation of empirical data;

- basic methods of analytical statistics: parametric and non-parametric methods for testing statistical hypotheses;

- algorithms for choosing methods of applied statistics for processing the results of a psychological research that are adequate to the type of data and the hypothesis being tested;

- implementation of applied statistics methods using software packages (STATISTICA, SPSS, etc.);

- ways of interpreting the results of statistical data processing and methods of their presentation in written reports.