

**Academic discipline:  
"Methods of applied statistics"**

<b>Code and name of specialty</b>	6-05-0313-01 Psychology
<b>Training course</b>	1
<b>Semester of training</b>	2
<b>Number of class hours</b>	68
<b>Lectures</b>	26
<b>Seminar classes</b>	14
<b>Practical classes</b>	14
<b>Laboratory classes</b>	14
<b>Form of current assessment (credit/differential credit/exam)</b>	зачет
<b>Number of credits</b>	2
<b>Competencies to be formed</b>	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.