ABSTRACT of discipline
«MODERN INFORMATION TECHNOLOGIES IN SCIENTIFIC ACTIVITY»

Cycle: general scientific training**.**
Academic year: 2019 - 2020, I semester**.**

Aim: is the formation of postgraduate students' knowledge and skills related to the use of information technology in research; the development of skills in computer programs of text editors and electronic sheets; the disclosure of the essential aspects of the application of computer networks for the tasks of searching for scientific information; familiarization with the functional capabilities of software tools, intended for scientific analysis of information.

Task:
- reveal the role of information technology in research;
- expand the knowledge and skills of graduate students in the field of computer networks use;
- deepen postgraduate skills associated with the search for information on the Internet;
- Disclose the meanings and methods of applying statistical methods in scientific research;
- Develop skills to build scientific accountability using modern information technology.

Competencies acquired:
Know:

the basic principles of the search, systematization and processing of scientific information with the help of information technology; technological bases of functioning of computer networks; the essential aspects of statistical analysis; possibility of registration of scientific reporting with the help of modern software tools.

Be able to:

determine the effectiveness of a scientific and design organization; to develop and use bibliographic data bases; to search information on the Internet using search engines; to perform a statistical analysis of scientific data and to be able to graphically present them; to carry out the preparation of scientific reporting with the help of information technologies.