



Syllabus of the academic discipline "Methodology and organization of scientific research"

Specialty	<i>All specialties</i>
Educational program	<i>All programs</i>
Educational level	<i>the third (educational and scientific)</i>
Discipline status	<i>Basic</i>
Language of teaching, learning and assessment	<i>English</i>
Course / semester	<i>1st year, 2nd semester</i>
Number of ECTS credits	<i>The number of credits according to the curriculum 6</i>
Distribution of hours by forms of the educational process and types of training	<i>Lectures - 10 p.m. Practical classes - 26 hours. Independent work - 132 hours.</i>
Semester control form	<i>Differentiated scoring</i>
Chair	<i>Management and Business website https://kmib.hneu.edu.ua/</i>
Teacher(s)	<i>Tetyana Lepeyko, Doctor of Sciences in Economics, Professor,</i>
Contact Information teacher(s)	<i>Tetyana.lepeyko@hneu.net</i>
Days of educational classes	

The purpose of the educational discipline: Formation and development of the ability to apply methodological principles and methods of scientific activity in a qualified manner, as well as the ability to organize and conduct scientific research

Structural and logical scheme of studying an academic discipline

Prerequisites	Postrequisites
<i>Philosophy of Science</i>	<i>Mathematical methods and models in scientific research</i>
	<i>Scientific research. Preparation of articles.</i>

Content of the academic discipline

Content module 1. Methodological foundations of scientific research

- Topic 1.** Science and scientific research
- Topic 2.** Scientific method. Methodology of scientific research.
- Topic 3.** Empirical research methods and Toolkit for data processing of empirical research
- Topic 4.** Theoretical research methods
- Topic 5.** Systematic method of research. Methodology of research of complex systems
- Topic 6.** Models and modeling method in scientific research

Content module 2. Technology and organization of scientific research

- Topic 7.** Organization of scientific activity and scientific research
- Topic 8.** Information provision of scientific research
- Topic 9.** Project forms of scientific research
- Topic 10.** Technology of work on the dissertation. Presentation, protection and implementation of results
- Topic 11.** Technology and psychology of scientific creativity. Development of abilities for scientific activity



Material and technical (software) support of the discipline

Multimedia projector, PNS of the S. Kuznets State University, ZOOM

Assessment forms and methods

The university uses a 100-point accumulative system for evaluating the learning outcomes of students of higher education.

Current control is carried out during lectures, practical (seminar) classes and is aimed at checking the level of preparedness of the higher education applicant to perform a specific job and is evaluated by the sum of points scored.

The final control includes the semester control, which is conducted in the form of a differentiated assessment.

The maximum possible number of points for the current control during the semester for the discipline whose form of control is credited is 100, and the minimum possible number of points is 60.

Current control includes the following control measures: assignments by topic; current control works; presentations on topics and an individual research task.

More detailed information on the system of evaluation and accumulation of points for the academic discipline is provided in the work plan (technological map) for the academic discipline.

Policies of educational discipline

The teaching of the academic discipline is based on the principles of academic integrity. Violations of academic integrity include: academic plagiarism, fabrication, falsification, plagiarism, deception, bribery, biased evaluation. For violation of academic integrity, students of education are subject to the following academic responsibility: repeated assessment of the corresponding type of educational work.

More detailed information on competencies, learning outcomes, learning methods, assessment forms and methods, independent work is provided in the Work Program of the academic discipline.