Syllabus of the course
«Fundamentals of methodology and organization of scientific research»

Specialty	*126 Information Systems and Technologies*
Study Programme	*Information Systems and Technologies*
Level (Bachelor, Master, PhD)	*Master*
Course status	*Obligatory*
Teaching language	*English*
Intended stage in the study programme	*1 year, 2 semester*
Number of ECTS credits	*4 credits*
Workload	*Lectures – 12 hours.*
	Laboratory studies – 28 hours.
	Self study – 80 hours.
Assessment method	*Pass*
Department	*Department of Information Systems, 413 (main building), (057) 702-18-31, (ad. 4-37), Department site: http://www.is.hneu.edu.ua/*
Teaching staff **Course coordinator**	*Oleksandr KOLGATIN, professor of the Information System Chair, doctor of pedagogical science, PhD in technical science*
Contacts of teaching staff	*Oleksandr.Kolgatin@hneu.net*
Office hours	*According to the schedule at the Information System Department, chat PNS*
Course schedule	*Lectures: according to the schedule* *Laboratory studies: according to the schedule*

Learning objectives and skills
mastering the methodology, culture of communication and ethics of scientific research; acquisition of skills to assess the social significance of scientific results; acquaintance with specialized means of information technologies for the organization of scientific researches.

Prerequisites
The list of previously listened courses: Analysis and optimization of business processes of enterprises, Development and implementation of information systems, Management of information systems and data warehouses, Information system security

Contents
Content module 1. *Methods and tools of scientific communication*
Topic 1. Organizational structures of scientific communication
Topic 2. Technologies for preparing scientific papers for publication
Topic 3. Technologies for organizing scientific conferences
Content module 2. *Methodology and socio-cultural significance of science*
Topic 4. Methodological approaches in scientific research
Topic 5. Social significance of scientific results
Topic 6. Ethics of scientific research

Teaching environment (software)
(see personal training system)

Course page on the Moodle platform (personal training system)	*https://pns.hneu.edu.ua/*

Assessment system

Minimal grading corresponds the reproductive level of learning material mastering. Maximal grading assumes the student creatively use obtained knowledge and skills in practical situations.

More detailed information on assessment is given in the technological card of the course.

Course policies

The teaching of the discipline is based on the principles of academic integrity. Violations of academic integrity include: academic plagiarism, fabrication, falsification, copying, deception, bribery, or biased evaluation. Educational results obtained with violation of academic integrity cannot be accepted.

In the case of completing educational tasks later than the term set by the technological card without the serious reason, the maximum number of points for this task is reduced by 20%. If a student is absent from class due to valid circumstances, he receives an additional task or additional questions to complete the missed activity. Missed classes should be completed within a week.

More detailed information about competencies, learning outcomes, teaching methods, assessment forms, self study is given in the Syllabus (working plan)of the educational course.

Syllabus approved at the meeting of the Department. Protocol № 17 from 10.06.2022