Syllabus of the educational course
«Methodologies of Scientific Research»

Specialty	*122 "Computer Science"*
Educational program	*"Computer Science"*
Level of education	*Master*
Course status	*Obligatory*
Teaching language	*English*
Year of study / semester	*1 course / 1 semester*
Number of credits ECTS	*5 credits*
Distribution by types of trainings and hours of study	*Lectures – 16 hours.*
	Practical studies (seminars) – 34 hours.
	Laboratory studies – 0 hours.
	Independent training – 100 hours.
Form of final assessment	*Test*
Department	*Information System, Room 413 (Main Building), (057)702-18-31, https://kafis.hneu.net/*
Teacher (-s)	*Oleksandr KOLGATIN, professor of the Information System Department, doctor of pedagogical science, PhD in low temperatures physics*
Teacher's contacts	*Oleksandr.Kolgatin@hneu.net*
Days of the classes	*According to the schedule http://services.hneu.edu.ua:8081/schedule/selection.jsf*
Consultations	*According to the schedule of the Information System Department (chat PNS)*

The purpose of the course is formation of students' worldview on issues of modern science and acquisition of skills in the practical application of information technologies, information systems and publicly available resources for the implementation of elements of scientific research as a component of professional activity in the field of computer science.

Prerequisites for learning

Base training according to the requirements of the bachelor program in Computer Science

Content of the educational course Content module 1 *Fundamentals of Scientific Research*
Topic 1 Science as a Part of Universal Culture of Humanity
Topic 2 Sources of Scientific Information
Topic 3 Basics of Scientific Documentation
Content module 2 *Scientific Community and ICT Tool for Scientific Communication*
Topic 4 Scientific Conference Organization
Topic 5 Scientific Conference Participation
Topic 6 Scientific Communities

Material and technical support (software) of the course
(see personal training system)

Course page on the Moodle platform (personal training system)	https://pns.hneu.edu.ua/course/view.php?id=9524

Discipline policies

The teaching of the course 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, independent training is given in the Syllabus (working plan) of the educational course.

Syllabus approved at the meeting of the Department «Information Systems». Protocol №10 from 14.03. 2023