



**Syllabus of the course**  
**«Basics of Methodology and Organisation of Scientific Research»**

<b>Specialty</b>	126 "Information Systems and Technologies"	
<b>Study Programme</b>	Information Systems and Technologies	
<b>Study cycle</b>	the second (Master) level of higher education	
<b>Course status</b>	Mandatory	
<b>Language</b>	English	
<b>Term</b>	first year, second semester	
<b>ECTS credits</b>	5 credits	
<b>Workload</b>	Lectures – 12 hours. Practical studies – 0 hours. Laboratory studies – 28 hours. Self-study – 110 hours.	
<b>Assessment system</b>	Grading	
<b>Department</b>	Information System, Room 413 (Main Building), (057)702-18-31, <a href="https://kafis.hneu.net/">https://kafis.hneu.net/</a>	
<b>Teaching staff</b>	Oleksandr Kolgatin, professor of the Information System Department, doctor of pedagogical science, PhD in low temperatures physics	
<b>Contacts</b>	<a href="mailto:Oleksandr.Kolgatin@hneu.net">Oleksandr.Kolgatin@hneu.net</a>	
<b>Course schedule</b>	According to the schedule <a href="http://services.hneu.edu.ua:8081/schedule/selection.jsf">http://services.hneu.edu.ua:8081/schedule/selection.jsf</a>	
<b>Consultations</b>	According to the schedule of the Information System Department (chat PNS)	
<b>Learning objectives and skills:</b>		
<i>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 information systems.</i>		
<b>Structural and logical scheme of the course</b>		
<b>Prerequisites</b>		<b>Postrequisites</b>
Bachelor training program in computer science		Term Paper. Diploma Work
<b>Course content</b>		
<b>Content module 1 Fundamentals of Scientific Research</b>		
<b>Topic 1</b> Science as a Part of Universal Culture of Humanity		
<b>Topic 2</b> Sources of Scientific Information		
<b>Topic 3</b> Basics of Scientific Documentation		
<b>Content module 2 Scientific Community and ICT Tool for Scientific Communication</b>		
<b>Topic 4</b> Scientific Conference Organization		
<b>Topic 5</b> Scientific Conference Participation		
<b>Topic 6</b> Scientific Communities		
<b>Teaching environment (software)</b>		
<i>Distance learning tools: Website of personal learning systems: <a href="https://pns.hneu.edu.ua;">https://pns.hneu.edu.ua;</a> Library: <a href="http://library.hneu.edu.ua">http://library.hneu.edu.ua</a> Repository: <a href="http://www.repository.hneu.edu.ua">http://www.repository.hneu.edu.ua</a> University auditoriums (Kharkiv, Nauki Ave. 9A)</i>		
<b>Assessment system</b>		
Assessment of students' learning outcomes is carried out by the University according to the cumulative 100-point system.		
Current control is carried out during lectures and practical (seminar) classes and aims to assess the level of students' readiness to perform particular tasks, and is assessed by the amount		



of scored points.

The maximum amount during the semester – 100 points; the minimum amount required is 60 points.

Current control includes the following assessment methods: assignments on a particular topic; testing; presentations, and essay writing.

***More detailed information on assessment and grading system is given in the technological card of the course.***

#### **Course policies**

Teaching of the academic discipline is based on the principles of academic integrity.

Violation of academic integrity includes academic plagiarism, fabrication, falsification, cheating, deception, bribery, and biased assessment.

Education seekers may be brought to the following academic responsibility for breach of academic integrity: repeated assessment of the corresponding type of learning activity.

***More detailed information about competencies, learning outcomes, teaching methods, assessment forms, self-study is given in the Course program***