



Syllabus of the course
«Methodologies of Scientific Research »

Specialty	122 Computer Science
Study Programme	Computer Science
Level (Bachelor, Master, PhD)	Second (master)
Course status	Mandatory
Teaching language	English
Intended stage in the study programme	1 year, 2 semester
Number of ECTS credits	4 credits
Workload	Lectures – 12 hours. Tutorials – 28 hours. Self study – 80 hours.
Assessment method	Test
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	Dorokhov Oleksandr Vasilyevich, Candidate of Technical Sciences, Associate Professor
Course coordinator	
Contacts of teaching staff	aleks.dorokhov@hneu.net , aleks.dorokhov@meta.ua
Office hours	At the department of Information Systems, according to the schedule, also on the initiative of applicants
Course schedule	Lectures: according to the current schedule Tutorials: according to the current schedule
Learning objectives and skills	
<i>is study and practical application of research methods, acquisition of skills in the preparation of master's theses, abstracts, scientific articles.</i>	
Prerequisites	
<i>The list of previously listened courses: Systems analysis and IS design, Databases, Software development and testing technologies / Knowledge in systems analysis, information systems, technologies, modeling, English language.</i>	
Contents	
Topic 1. <i>General concepts of science and scientific thinking.</i>	
Topic 2. <i>The main categories of science. Logical methods of cognition.</i>	
Topic 3. <i>The essence of scientific research and the basics of research work.</i>	
Topic 4. <i>Technology of working with scientific literature.</i>	
Topic 5. <i>Presentation of research results.</i>	
Topic 6. <i>Systematic scientific research and scientific thinking.</i>	
Teaching environment (software)	
<i>Multimedia projector</i>	
Course page on the Moodle platform (personal training system)	https://pns.hneu.edu.ua/enrol/index.php?id=2420
Assessment system	
<i>The system of assessment of the formed competencies of the applicants takes into account the types of classes, according to the curriculum of the discipline, as well as independent work. Assessment is carried out on a cumulative 100-point system in accordance with the Temporary Regulation "On the procedure for assessing the learning outcomes of students on a cumulative point-rating system" of KhNEU named after Simon Kuznets.</i>	



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

Course policies

The policy of academic integrity is based on the principles set out in the Code of Academic Integrity of KhNEU named after Simon Kuznets (<https://www.hneu.edu.ua/kodeks-akadem-dobrochesnosti/>)

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