



Syllabus of the academic discipline
«Methods of testing and quality assessment of software systems» (Part-time form)

Specialty	12 “Information Technologies”	
Study programme	122 “Computer Sciences”	
Study cycle	second (master)	
Course status	mandatory	
Language	English	
Course / semester	1M year of study	
Number credits	4 credits	
Distribution by types of classes and hours of study	Lectures – 4 hours	
	Lab work – 4 hours	
	Independent work - 112 hours	
Final control form	Credit	
Department	Department of Information Systems, audience 413 of the main building, phone: (057)702-18-31, website of the department: http://www.is.hneu.edu.ua/	
Lecturer	Skorin Yuriy – PhD, Associate Professor	
Contact information	Skorin Yuriy: Yuriy.Skorin@hneu.net	
Days of classes	Lectures: according to the current class schedule Lab work: according to the current class schedule	
Consultations	At the department of information systems, face-to-face, according to the consultation schedule, individual	
The purpose of the educational discipline is to expand and deepen theoretical knowledge and applied skills and abilities regarding the main concepts and definitions in the field of quality assurance and software testing, test selection criteria, an overview of testing types, analysis of the features of the process and technology of industrial testing, acquisition of skills in the application of modern information technologies for analysis and testing of information systems, creation of reporting test documentation.		
Structural and logical scheme of studying an academic discipline		
Pre-requisites		Post-requisites
		Coursework
		Qualification thesis
Content of the academic discipline Content module 1. Fundamentals of software testing Topic 1. Testing as a way to ensure software quality Topic 2. Basic concepts of software testing Topic 3. Classification of types of testing Content module 2. Organization of the software testing process Topic 4. Automation of testing Topic 5. Features of industrial testing Topic 6. Documentation and assessment of industrial testing Topic 7. Software quality problems		



Material and technical (software) support of the discipline

Distance learning tools:

Website of personal training systems: <https://pns.hneu.edu.ua>

Library: <http://library.hneu.edu.ua>

Repository: <http://www.repository.hneu.edu.ua>

University auditoriums (Kharkiv, Nauki Ave. 9A)

Multimedia equipment: projector, laptop/computer, Internet access, software: Microsoft Office, Microsoft Visual Studio, TestLog, Katalon Studio

System of evaluation of training results

The system for evaluating the developed competencies takes into account the types of classes that involve lectures, laboratory work, as well as independent work. Assessment of students' developed competencies is carried out according to a cumulative 100-point system. Current control, which is carried out during the semester during practical classes and independent work, is evaluated by the sum of points scored. The maximum possible number of points for the current and final control during the semester is 100, and the minimum possible number of points is 60.

More detailed information on the 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: re-assessment of the corresponding type of educational work.

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