Syllabus of Academic Discipline
"Software quality models"

№	Field name	Detailed content, comments
1	Name of the faculty	FACULTY OF INFOCOMMUNICATIONS
2	The level of higher education	Bachelor's educational and scientific
3	Code and title of specialty	152 – Metrology and Information-Measuring Technology
4	The type and title of the educational program	Educational program – Technical Expertise
5	Title of the discipline	Software quality models
6	Number of ECTS credits	4
7	The structure of the course (distribution by type and hours of training)	24h.– 12 L, 24h.– 12 P, 12h.– 6 consultation, 60h.– independence, type of control: credit
8	Schedule (terms) of study of the subject	II year, IV semester
9	Prerequisites for learning the discipline	Previously, the disciplines "Higher mathematics", "Physics","Quality measurement" and "Basics of technical regulation" should be studied
10	Abstract (content) of the discipline	Normative discipline of basic (professional) studying in the specialty includes the following content modules: 1. Software quality standards. 2. Software quality management processes. 3. Terminology and basics of software verification and attestation. 4. Test construction methods. 5. Automated testing tools
11	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Know the concept of quality, quality standards and types of requirements for software, methods of verification and validation, approaches to quality control, inspection and review processes; Be able to analyze the software development process for the purpose of quality assessment, carry out effective and qualified inspections, design and implement complex testing plans, apply various testing methods efficiently and competently, use testing tools; create reports based on test results.
12	Learning outcomes of a Higher Education applicant	Ability to use modern methods and instruments of building a quality system of software development processes, quality control methods and tools.
13	Assessment system in accordance with each task for taking tests/exams	To evaluate the student's work during the semester, the final rating grade is calculated as the sum of grades for various classes and control measures. Practical lessons 1 12-20 points Practical lessons 2 6-10 points Practical lessons 3 6-10 points Control point 1 24-40 points Practical lessons 4 12-20 points Practical lessons 5 6-10 points

		Practical lessons 6 6-10 points Practical lessons 7 6-10 points Practical lessons 8 6-10 points Control point 2 36-60 points A total of 60-100 points per semester
14	The quality of the educational process	Adherence to the principles of academic integrity (http://lib.nure.ua/plagiat). Update the work program of the discipline – 2022 year.
15	Methodological support	Complex of educational and methodical support of the educational discipline “Software quality models” for the bachelor of a specialty 152 "Metrology and information-measuring technology", educational program "Technical expertise" [Electronic resource] / KhNURE; Compiler: Y. Kozlov. - Kharkiv, 2022. http://catalogue.nure.ua/knmz.
16	The developer of the Syllabus	Y.Kozlov, Department of Information and Measurement Technology, PhD E-mail: yurii.kozlov@nure.ua