No Field name Detailed content comments	
Je Field hand Detailed content, comments 1 Name of the faculty Faculty of Infocommunications	
1. Name of the factory Factory of infocommunications 2 The level of higher education Bachelor's	
2. Code and title of aposielty. 175 Information and Massurem.	
5. Code and the of specialty 175 information and Measureme	ent
The target and title of the education of	
4. The type and title of the educational Educational professional program	m «Quality of
program Products, Processes and Softwar	ie»
5. Code and title of the discipline Measurement Methods and 100.	ls
6. Number of ECTS credits 12	40.1
7. The structure of the course (distribution by Lectures – 72 hours, practical –	40 hours,
type and hours of training) laboratory – 32 hours, consultation	1000 ons - 24
hours, independent work – 192 l	nours
(including coursework – 30 hou	rs), semester
control – exam.	
8. Schedule (terms) of study of the subject 3^{tn} and 4^{tn} year, 6^{tn} and 7^{tn} seme	ster of study
9. Prerequisites for learning the discipline Physics, Fundamentals of Metro	ology and
Measuring Technologies, Funda	mentals of
Electrical Engineering and Elect	tronics should
be previously studied	
10. Abstract (content) of the discipline Content module 1. Classification	n and main
characteristics of analog measur	ing devices.
Content module 2. Electromecha	anical
measuring devices.	
Content module 3. Methods and	means of
measuring voltage and current.	
Content module 4. Methods and	means of
measuring the parameters of ele	ctric circuits
with concentrated constants.	
Content module 5. Devices for c	observing and
studying the shape and parameter	ers of signals.
Content module 6. Methods and	means of
frequency measurement.	
Content module 7. Classification	n and main
characteristics of digital measur	ing devices.
Content module 8. Peculiarities	of the
structural schemes of the Center	for
Economic and Social Developm	ent.
Content module 9. Digital comp	arison
measuring devices.	
Content module 10. Digital mea	suring
devices of tracking balancing.	-
Content module 11. Digital mea	suring
devices of unfolding balancing.	-
Content module 12. Digital mea	suring
devices with preliminary conver	sion.
11. Competencies, knowledge, skills, General competencies	
understanding that a higher education GC1. Ability to apply profession	nal knowledge
	nai mio mieage

Syllabus Form of Academic Discipline

		 GC8. Ability to learn and master modern knowledge. Professional competences PC2. The ability to design information and measurement equipment and describe the principle of their operation. PC9. Ability to debug and test certain types of
		devices in laboratory conditions and at facilities.
12.	Learning outcomes of a Higher Education applicant	Program learning outcomes PLO7. Be able to explain and describe the principles of building computing subsystems and modules used in solving measurement problems. PLO13. To know and be able to apply the existing means of modern information technologies to solve problems in the field of metrology and information-measuring technology.
13.	Assessment system in accordance with each task for taking tests/exams	Evaluation of the student's work during the semester: 1. Work out and defend laboratory works. 2. Complete tasks in practical classes. 3. Perform an individual calculation task. 4. Get at least 60 points per semester. 5. Take a combined exam. Grade for the semester O_{cem} : (6-10)x4 lab + (3-5)x10 pc + (6-10)x1CGT = (60-100) points. Grade for the exam O_{eK3} = (60-100) points. Final grade O_{π}^{eK3} is calculated according to
14.	The quality of the educational process	the formula: $O_{\pi}^{\text{m}} = 0, 6 \cdot O_{\text{сем}} + 0, 4 \cdot O_{\text{екз}}$. Compliance with the principles of academic integrity (<u>http://lib.nure.ua/plagiat</u>). Update of the work program of the discipline – 2022. The laboratory workshop is equipped with modern analog and digital measuring devices.
15.	Methodological support	 Kryukov, O.M. Analog measuring equipment [Text] / O.M. Kryukov, V.F. Tolstikov. – Kharkiv: Khnadu, 2007. – 448 p. Konchalovsky, V.Yu. Digital measuring devices [Text] / V.Yu. Konchalovsky – M: Energoatomizdat, 1985. – 304 p. Methodological instructions for practical classes and independent work in the discipline "Methods and means of measurement" for students of all forms of study of the specialty 175 Information and measurement technologies of the educational program

		"Quality of products, processes and software" [Electronic edition] / Edited by: O.V. Zaporozhets. – Kharkiv: KhNURE,
		2022. – 54 p.
16.	The developer of the Syllabus	O.V. Zaporozhets, Associate Professor of the
		IMT Department, Ph.D., Associate Professor
		E-mail: <u>oleg.zaporozhets@nure.ua</u>