N⁰	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 – Technical Expertise
	educational program	
5	Title of the discipline	Measuring instruments verification
6	Number of ECTS credits	6
7	The structure of the course	36h.– 18 L, 16h.– 9 P, 20h.– 10 L, 12h.–6
	(distribution	consultation, 96h.– independence, type of control:
	by type and hours of training)	exam
8	Schedule (terms) of study of the	IV year, VIII semester
	subject	
9	Prerequisites for learning the	Previously, the disciplines "Higher mathematics","
	discipline	Physics","Methods and tools of measurement" and
		"Introduction to the specialty" should be studied
10	Abstract (content) of the discipline	Normative discipline of basic (professional)
		studying in the specialty, contains following content
		modules:
		1. Basic concepts in the field of verification
		(calibration) of measuring devices.
		2. Methods and means of checking
		electromechanical measuring devices.
		5. Methods and means of verification of
		Matheda and means of varification of scale
		4. Methods and means of vermication of scale
		5 Methods and means of checking electronic
		voltmeters
		6 Methods and means of verification of digital
		measuring devices
		7. Methods and means of verification of measuring
		generators.
		8. Methods and means of checking devices for
		measuring parameters of the curve of electrical
		signals.
		9. Methods and means of checking devices for
		measuring phase difference, frequency and time
		intervals.
11	Competencies, knowledge, skills,	Know the methods of transferring the size of units
	understanding that a higher	of physical quantities from standards to working
	education	measuring devices; modern approaches and features
	acquirer has in the learning process	of choosing a reference base for verification
		(calibration) of measuring devices and development
		of local verification schemes;
1		Be able to independently choose a reference base

## Syllabus of Academic Discipline "Measuring instruments verification"

		for verification (calibration) of any measuring
		device, draw up local verification schemes for
		various measuring devices.
12	Learning outcomes of a Higher	The ability to develop lists of measuring devices
	Education applicant	that are subject to verification (calibration) in the
		process of metrological support of the enterprise
		(organization), using technical documentation and
		regulatory documentation of the relevant direction:
		Be able to develop local verification schemes and
		methods of verification (calibration) of existing
		measuring devices, provided they are not in the
		technical documentation or do not comply with the
		current legislation and regulatory framework of
		Ukraine.
13	Assessment system in accordance	To evaluate the student's work during the semester,
	with each task for taking	the final rating grade is calculated as the sum of
	tests/exams	grades for various classes and control measures.
		Practical lessons 1 - 4 $(35) \times 4 = 1220$ points
		Laboratory works 1, 2 (610) $\times$ 2 = 1220 points
		Test 1 610 points
		Control point 1 3050 points
		Practical lessons 5, 6 $(35) \times 2 = 610$ points
		Laboratory works $3-5(610) \times 3 = 1830$ points
		Test 2 610 points
		Control point 2 3050 points
		A total of 60100 points per semester
		The form of final control is a written (combined)
		exam.
		With this type of control, the final score Pf is
		calculated according to the formula:
		Pf = 0.6* Psem + 0.4* Pex,
		where Psem is the grade for the semester in the 100-
		point system,
		Rex is the grade for the exam in the 100-point
		system.
		The exam ticket consists of three theoretical
		questions, a test and a task which are valued at 20
		points each (in total - 100 points).
14	The quality of the educational	Adherence to the principles of academic integrity
	process	(http://lib.nure.ua/plagiat). Update the work
1.5		program of the discipline $-2022$ year.
15	wiethodological support	of the educational discipline "Magazine"
		of the educational discipline Measuring
		instruments vernication for the bachelor of a specialty 152 "Matrology and information
		measuring technology" educational program
		"Technical expertise" [Flectronic resource] /
		KhNURE: Compiler M Servienko - Kharkiv 2020
		http://catalogue.nure.ua/knmz.
16	The developer of the Syllabus	Y.Kozlov, Department of Information and
		Measurement Technology, PhD
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