

Syllabus of Academic Discipline
“Fundamentals of technical regulation”

№	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 – Quality of products, processes and software
5.	Code and title of the discipline	_____ Fundamentals of technical regulation
6.	Number of ECTS credits	4
7.	The structure of the course (distribution by type and hours of training)	24 h. – 12 L., 24 h. – 12 P., 8 h. – 4 C., h. – 64 independence, type of control: credit
8.	Schedule (terms) of study of the subject	I year, II semester
9.	Prerequisites for learning the discipline	Previously, the disciplines "Introduction to the specialty", "Management and Marketing" should be studied.
10.	Abstract (content) of the discipline	Normative discipline of basic (professional) studying in the specialty, contains content modules: 1. Components, tasks and current state of technical regulation. 2. Modern world trends in metrology, standardization, conformity assessment and market surveillance. 3. The role of international organizations in the system of international technical regulation. 4. Overcoming technical barriers to trade.
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Knowledge of the main components of the technical regulation system and legislative and regulatory support of its operation; basic ideas about the basic principles of the world policy on overcoming technical barriers to trade; basic knowledge of the technical regulation system in Ukraine and perspectives to adapt national requirements in accordance with international ones. Ability to analyze the effectiveness of international technical assistance programs in the field of technical regulation. Having skills in using the regulatory documents regulating activity in the field of technical regulation; skills to use the components of the technical regulation system to determine and comply with the mandatory requirements for product characteristics and eliminate technical barriers

		to trade.
12.	Learning outcomes of a Higher Education applicant	Ability to demonstrate knowledge and understanding of certain components of the technical regulation system in Ukraine, regulatory and legal support of the technical regulation system in Ukraine, to focus on the implementation of international technical assistance programs in Ukraine.
13.	Assessment system in accordance with each task for taking tests/exams	6 tests on practical classes. Credit score (C) is calculated by the formula: $C=(8-15)P_{\text{№}1}+(13-20)P_{\text{№}2}+(8-15)P_{\text{№}3}+(7-15)P_{\text{№}4}+(7-15)P_{\text{№}5}+(17-20)P_{\text{№}6}=(60-100)$ credit score.
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 – 2019 year.
15.	Methodological support	1. Methodical instructions for practical classes in the disciplines "Principles of technical regulation and protection of consumer rights" for students of all forms of education specialty 152 "Metrology and information-measuring technology" educational qualification level "Bachelor" / Compiler: N. Shtefan. - Kharkiv: KhNURE. 2. Methodical instructions for independent work on the discipline "Principles of technical regulation and protection of consumer rights" for students of all forms of education specialty 152 "Metrology and information-measuring technology" educational qualification level "Bachelor" / Compiler: N. Shtefan. - Kharkiv: KhNURE.
16.	The developer of the Syllabus	I.Moshchenko, Department of Information and Measurement Technology, PhD E-mail: inna.moshchenko@nure.ua