

Syllabus Form of Academic Discipline
“International standards of management systems”

№	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, Quality of products, processes and software
5.	Code and title of the discipline	International standards of management systems
6.	Number of ECTS credits	5
7.	The structure of the course (distribution by type and hours of training)	20 h. – 10 L., 12 h. – 6 P., 12 h. – 6 L., 10 h. – 5 C., 100 h. – independence, type of control: credit
8.	Schedule (terms) of study of the subject	IV year, VII semester
9.	Prerequisites for learning the discipline	Previously, the disciplines “Fundamentals of standardization”, “Conformity assessment”, "Fundamentals of quality management" should be studied.
10.	Abstract (content) of the discipline	Selective discipline of basic (professional) studying in the specialty, contains content modules: 1. Standardization of management systems. 2. ISO 9000 series standards as a basic model of standards for management systems. 3. Standards in the field of sustainable development of the organization. 4. Certification of management systems.
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Knowledge of terminological features of standardization of management systems; current trends in management systems; regulatory system in the field of quality management, audit and conformity assessment. Ability to set tasks, identify problems and areas for further improvement of management systems of organizations in different sectors of the economy. Having skills to navigate and use the regulatory documents in the field of management system.
12.	Learning outcomes of a Higher Education applicant	Ability to demonstrate knowledge and understanding of the principles of building a management system in the organization, the ability to use regulations to develop and maintain a management system of the enterprise.
13.	Assessment system in accordance with	6 tests on practical classes and 6 Labs.

	each task for taking tests/exams	Credit score (C) is calculated by the formula: $C = (5-8)PN_{\text{1}} + (5-8)PN_{\text{2}} + (5-8)PN_{\text{3}} + (5-8)PN_{\text{4}} + (5-8)PN_{\text{5}} + (5-8)PN_{\text{6}} + (5-8)LN_{\text{1}} + (5-8)LN_{\text{2}} + (5-8)LN_{\text{3}} + (5-8)LN_{\text{4}} + (5-10)LN_{\text{5}} + (5-10)LN_{\text{6}} = (60-100)$ 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 – 2023 year.
15.	Methodological support	<p>1. Methodical instructions for practical classes in the discipline "Standardization and certification of management systems" for students of all forms of education specialty 152 "Metrology and information-measuring technology" of the first (bachelor's) level of higher education / Compiler: N. Shtefan. - Kharkiv: KhNURE, 2019. - 19 p.</p> <p>2. Methodical instructions for independent work in the discipline "Standardization and certification of management systems" for students of all forms of education specialty 152 "Metrology and information-measuring technology" of the first (bachelor's) level of higher education / Compiler: N. Shtefan. - Kharkiv: KhNURE, 2019. - 17 p.</p> <p>3. Detailed plan of lectures on the discipline "Standardization and certification of management systems" for students of all forms of education specialty 152 "Metrology and information-measuring technology" of the first (bachelor's degree). Compiler: N. Shtefan. - Kharkiv: KhNURE, 2019. - 16 p.</p>
16.	The developer of the Syllabus	I.Moshchenko, Department of Information and Measurement Technology, PhD E-mail: inna.moshchenko@nure.ua