

Syllabus Form of Academic Discipline

№	Field name	Detailed content, comments
1	Name of the faculty	Faculty of Infocommunications
2.	The level of higher education	Master's
3.	Code and title of specialty	152 Metrology and Information-Measuring Engineering
4.	The type and title of the educational program	Educational professional program «Quality, Standardization and Certification»
5.	Code and title of the discipline	Certification of Products and Quality Systems
6.	Number of ECTS credits	8
7.	The structure of the course (distribution by type and hours of training)	48 h. – 24 lectures, 32 h. – 16 practical, 16 h. – 8 consultations, 144 h. – independent work (including 30 h. – Term Paper), semester control: combined exam
8.	Schedule (terms) of study of the subject	1-st course, 1-st semester of study
9.	Prerequisites for learning the discipline	A higher education applicant should to know Advanced Calculus, Basics of Technical Regulation, Basics of Standardization, Conformity Assessment
10.	Abstract (content) of the discipline	Content modules (topics): 1. General provisions for conformity assessment activities 2. Organization of conformity assessment activities. 3. Conformity assessment procedures. 4. Certification of management systems..
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	The ability to manage and determine the main directions of work in the field of conformity assessment taking into account metrological, regulatory, technical, technological, economic, social and legal aspects
12.	Learning outcomes of a Higher Education applicant	The ability to demonstrate in-depth knowledge of the importance of conformity assessment in the context of economic globalization; main regulatory documents in the field of conformity assessment; principles, types and procedures of conformity assessment; the procedure for certification, declaration of conformity, accreditation of conformity assessment bodies, market surveillance; ability to organize work on conformity assessment of any objects; use regulatory and regulatory literature to implement conformity assessment procedures; solve practical problems of conformity assessment of objects; possession of skills in the process of conformity assessment of products, process, systems and personnel both by the applicant and by the conformity assessment body
13.	Assessment system in accordance with each task for taking tests/exams	1. Perform tasks for practical work 2. Get at least 60 points per semester. 3 Pass the combined exam. Exam score $O_{\text{екз}} = (60-100)$ points Exam in oral form Final score: $O_{\text{д}}^{\text{екз}} = 0,6 \cdot O_{\text{ссм}} + 0,4 \cdot O_{\text{екз}}$.

14.	The quality of the educational process	Adherence to the principles of academic integrity (http://lib.nure.ua/plagiat). Updating the content of the discipline – 2019.
15.	Methodological support	<p>1. Комплекс навчально-методичного забезпечення навчальної дисципліни "Сертифікація продукції та систем якості" підготовки магістра спеціальності 152 «Метрологія та інформаційно-вимірювальна техніка» освітньо-професійної програми «Якість, стандартизація та сертифікація» [Електронний ресурс] / ХНУРЕ ; розроб. Н.В. Штефан. – Харків, 2019. – 112 с. http://catalogue.nure.ua/knmz.</p> <p>2. Черепков С. Т. Технічне регулювання та підтвердження відповідності в Україні: підручник [Текст] // С.Т. Черепков, С.І. Кондрашов, М.М. Будьоний, О.Т. Дорошин, О.Д. Цициліано, Л.В. Константинова. – Харків : Підручник НТУ «ХПІ», 2010. – 439 с.</p> <p>3. Вардакас Є. Новий підхід у Європейському Союзі: загальний огляд [Текст]: навчальний посібник / Євангелос Вардакас. – К., 2010. – 50 с</p>
16.	The developer of the Syllabus	N.V. Shtefan, Associate Professor of the MTE Department, PhD in Technical Sciences E-mail: natalya.shtefan@nure.ua