

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	175 Information and Measurement Technologies
4	The type and title of the educational program	Educational professional program «Quality Assurance»
5	Code and title of the discipline	Process management
6	Number of ECTS credits	4
7	The structure of the course (distribution by type and hours of training)	Lectures – 18 hours, practical – 24 hours, consultations – 8 hours, independent work – 50 hours, semester control – test.
8	Schedule (terms) of study of the subject	1 th year, 2 th semester of study
9	Prerequisites for learning the discipline	"Probability theory", "Fundamentals of quality management".
10	Abstract (content) of the discipline	Content modules: 1. The essence of the quality management system 2. Process control 3. Six Sigma methodology
11	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	General competencies GC1. Knowledge and understanding of the subject area and understanding of professional activity. GC 3. Skills in using risk management techniques. Professional competencies PC7. The ability to apply a comprehensive approach to solving experimental tasks using information and measurement equipment and application software. PC9. Ability to develop software, hardware and metrological support of computerized information and measurement systems.
12	Learning outcomes of a Higher Education applicant	Program learning outcomes PLO13. Apply hardware and software tools of modern information technologies to solve problems in the field of metrology and information and measurement technology. PLO16. Carry out quality management based on modern standards and methods.
13	Assessment system in accordance with each task for taking tests/exams	Evaluation of the student's work during the semester: 1. Do homework. 2. Complete tasks in practical classes. 3. Get at least 60 points per semester. 4. Take a combined exam. Grade for the semester $O_{\text{сeм}} : (10-17) \times 5 \text{ lab} + (5-7,5) \times 2 \text{ pc} = (60-100) \text{ points}$.
14	The quality of the educational process	Compliance with the principles of academic integrity (http://lib.nure.ua/plagiat). Update of the work program of the discipline – 2023.
15	Methodological support	Complex of educational and methodological support of the educational discipline " Process management " of the master's training in the specialty 175 «Information and Measurement Technologies» of the educational programs " Quality Assurance " [Electronic resource] / Edited by: A.Yegorov. – Kharkiv: KhNURE, 2017. – 206 p.
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