

Syllabus Form of Academic Discipline

№	Field name	Detailed content, comments
1	Name of the faculty	Faculty of Infocommunications
2	The level of higher education	Bachelor's
3	Code and title of specialty	175 Information and Measurement Technologies
4	The type and title of the educational program	Educational and professional programs: "Technical expertise"; "Quality of products, processes and software"
5	Code and title of the discipline	Risk-management
6	Number of ECTS credits	3,5
7	The structure of the course (distribution by type and hours of training)	Lectures – 20 hours, practical – 20 hours, consultations – 10 hours, independent work – 5 hours, semester control – test.
8	Schedule (terms) of study of the subject	4 th year, 1 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. Principles and structure of risk management 2. Basic processes of risk management 3. Methods and tools of risk identification 4. Methods and tools of qualitative and quantitative risk analysis 5. Methods and tools of risk processing
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 $O_{cem} = (6-10) \times 10 \text{ pc} = (60-100) \text{ points}$.
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 " Risk-management " of the master's training in the specialty 175 «Information and Measurement Technologies» of the educational programs "Technical expertise"; "Quality of products, processes and software" [Electronic resource] / Edited by: O. Degtiarov. – Kharkiv:KhNURE, 2023. – 196 p.
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