

## 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  | Risk-management   |
| 6  | Number of ECTS credits  | 4   |
| 7  | The structure of the course (distribution by type and hours of training)                                    | Lectures – 24 hours, practical – 32 hours, consultations – 8 hours, independent work – 60 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. 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 $O_{\text{sem}} = (10-17) \times 5 \text{ lab} + (5-7,5) \times 2 \text{ pc} = (60-100) \text{ points}$ .   |
| 14 | The quality of the educational process  | Compliance with the principles of academic integrity ( <a href="http://lib.nure.ua/plagiat">http://lib.nure.ua/plagiat</a> ). 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 " Quality Assurance " [Electronic resource] / Edited by: A.Yegorov. – Kharkiv: KhNURE, 2023. – 196 p.  |
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