Syllabus
«Safety in IT industry»

1.	Name of the faculty	Faculty of Automatics and Computerized Technologies
2.	The level of higher education	First (bachelor's) level
3.	Code and title of specialty	All specialties of the university
4.	The type and title of the educational program	
5.	Code and title of the discipline	Safety in IT industry
6.	Number of ECTS credits	3
7.	The structure of the course (distribution by type and hours of training)	Full-time form of study: lectures - 18 hours, consultations - 6 hours, practical classes - 12 hours, independent work - 54 hours, type of control - pass Part-time form of study: lectures - 4 hours, practical classes - 6 hours, independent work - 78 hours, type of control - pass.
8.	Schedule (terms) of study of the subject	Courses - 2nd, 3rd (semester 3-6th)
9.	Prerequisites for learning the discipline	Disciplines, that should be studied earlier: «Life Safety»
10.	Abstract (content) of the discipline	Discipline contains content modules: 1. Fundamentals of occupational safety in the IT industry. 2. Psychological and physiological characteristics of IT technology users while ensuring safe labor processes.. 3. Theoretical foundations of risk and methods for calculating the probability of emergency situations in computerized systems..
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Solve professional tasks and have basic professional competencies: 1) basic methods and means of ensuring occupational safety in the IT industry; 2) readiness to apply modern methods of research and analysis of risks, threats and dangers at workplaces and production facilities. 3) production factors that can cause occupational diseases in the IT industry, measures and means to eliminate them; 4) ways to reduce the intensity and severity of the labor process in the IT industry; 5) principles and measures of ergonomic organization of safe workplaces of computer users; 6) preventive measures to preserve the health and increase the efficiency of users of IT technologies; 7) development and implementation of secure computerized systems and technologies, selection of optimal working conditions and modes when using IT systems and systems based on modern technological and scientific achievements in the field of labor protection.

12.	Learning outcomes of a Higher Education applicant	The knowledge and skills acquired in the study of this discipline are used in the organization of a safe workplace for users of computer systems and provide a high level of efficiency and prevent burnout.
13.	Assessment system in accordance with each task for taking tests/exams	1. Perform 6 practical tasks. 2. Complete 2 tests 3. Get at least 60 points per semester. 4. Final grade Ofinal. = (5-8) x 6 pt + + (15-26) x 2 test = (60-100) points
14.	The quality of the educational process	Adherence to the principles of academic integrity (http://lib.nure.ua/plagiat). Constant updating of thematic sections, in accordance with the principles and legislative acts of the EU, world achievements and norms on safe work organization.
15.	Methodological support	Textbook, manuals for laboratory work, practical classes, independent work, complex of scientific and methodological support http://catalogue.nure.ua/knmz). Website of department http://os.nure.ua
16.	The developer of the Syllabus	Head of the Safety Engineering Department Tatyana Stytsenko, tatiana.stytsenko@nure.ua Associate Professor of Safety Engineering Department Hanna Proniuk, ganna.proniuk@nure.ua