

Syllabus
«Ecological safety»

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	Ecological safety
6.	Number of ECTS credits	3
7.	The structure of the course (distribution by type and hours of training)	Lectures – 18 hours Practical lessons – 12 hours Independent work - 54 hours Consultations – 6 hours Test – 2 hours
8.	Schedule (terms) of study of the subject	2-3 course, 4-6 semester
9.	Prerequisites for learning the discipline	Life safety, Chemistry, Physics, Business economics
10.	Abstract (content) of the discipline	The elective course contains content modules: Content module 1. Topic I. Basics of environmental safety Topic 2. The impact of production on the environment Topic 3. Principles and means of protection of the environment from industrial pollution Topic 4. Ecological safety of the atmosphere (protection of the atmosphere from pollution) Topic 5. Ecological safety of the hydrosphere (protection of the hydrosphere from pollution) Content module 2. Topic 1. Ecological safety of the lithosphere (protection of the lithosphere and utilization of industrial waste) Topic 2. Ecological safety of the human environment (impact of pollutants on human health) Topic 3. Legal and socio-economic aspects of environment protection Topic 4. International cooperation in the field of environmental safety (European standards of environmental safety)
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	To know: management systems in the field of environmental safety, methods and Technologies for emergency forecasting, which are caused by disruption of technological processes and their impact on the environment, determining the level of environmental risks, justification of a set of measures to prevent emergencies and eliminate their consequences. be able to: solve professional problems taking into account the requirements of environmental safety and environmental protection

12.	Learning outcomes of a Higher Education applicant	Ability to demonstrate knowledge and understanding of the basic methods and means of organizing environmental safety management in the workplace; readiness to apply modern methods of environmental safety management at workplaces and production facilities
13.	Assessment system in accordance with each task for taking tests/exams	1. Practice six practical classes (PC), receiving a grade for each software: (5-8) points. 2. Write two classroom tests (CT), receiving a score for each CT: (15-26) points. 3. Get at least 60 points per semester . 4. Final grade Final = (5-8) x 6 PC +(15-26) x 2 CT = (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