***Emergency Management***

***B.1.1.1.1.***

**Degree:** Bachelor/Master

**Year:** 1

**Semester:** Fall (mainly)/Spring

**General workload:** 2 ECTS credits, 72 hours

**Goals and objectives of the course**

The course goal is to examine the theory and practice of population and environment protecting from the impact made by damaging natural and man-made factors, learn about first aid in case of an accident and ensuring people’s security under modern conditions.

The course objective is to build awareness of issues related to personal safety and safety of other people, to acquire fundamental knowledge and practical skills in identifying and assessing dangerous and harmful factors in the human environment, in selecting protection methods, eliminating negative consequences and providing assistance to those exposed to danger in case of a hazard.

Learn how to analytically assess the current situation, to forecast the impact dangerous (harmful) phenomena will make upon people, to assess and predict change in the phenomena, to make relevant decisions and to prevent emergencies or mitigate their consequences.

**Place of the discipline within the curriculum**

The course is a mandatory discipline in the general training unit that describes technological and humanitarian aspects. The course is based on knowledge gained when studying social, economic disciplines, natural sciences and other courses include into the general training unit.

**Upon completing the course, the students should:**

*Know:*

* Legal, technical and administrative basis of emergency management; methods of arranging and ensuring protection of the population and territories from the impact made by damaging factors that emerge in case of emergency.
* Damaging and harmful factors of the man/environment interaction system, man-made hazard analysis methods, scientific and administrative basis for environment protection and elimination of consequences of accidents, catastrophes, natural disasters.
* Fundamentals of emergency management, types of hazards that can harm a person, their assessment criteria.
* Global environment protection issues, environment protection-based principles of natural resource rational use and nature protection.
* Emergency management. Legal, administrative and technical basis for ensuring emergency management.

*Be able to:*

* Examine and assess the degree of risk associated with the hazards of the man/environment interaction system, implement and monitor the implementation of projects aimed at protecting people and territories in case of emergency.
* Find ways to resolve complex issues related to emergency management.
* Respond to extreme and emergency situations, practically use basic survival methods.

*Have:*

* Knowledge of the key ways to protect facilities’ personnel from the consequences of accidents, catastrophes, natural disasters.
* Emergency management skills that can be used in production facilities, in everyday life and in case of emergency, as well as first aid skills.

**Course structure:** lectures, practicals, independent student work, tests

**Summative assessment:** pass/fail examination, examination