**1. Module name:** **Civil defense**

**2. Module code:** ТТД, ОПБЖ \_8\_1.04\_1.5

**3. Module type:** compulsory

**4. Semester:** 1

**5. Volume Module:** total number of hours - 54 (ECTS - 1,5 credits ); lecture hours - 18 (lecture - 8, and practical exercises - 10)

**6. Lecturer:** Alexander V. Melnik – teacher

**7. Learning Outcomes:**

**To know:** the Law of Ukraine on Civil Defense (CD) of Ukraine. Structure (CD) of Ukraine, a separate enterprise, institution or organization. Classification of emergency situatsіy (ES). Appointment, the application of collective and individual protection. Appointment of instruments for radiation, chemical reconnaissance and monitoring. Method of forecasting the possible radiological, chemical, biological, fire situation. Theoretical foundations of health and safety. The organization of occupational safety and health institutions, organizations and businesses.

**Be able:** to skillfully use the collective and individual protection. Use devices of radiation, chemical reconnaissance and monitoring. Assess the radiological, chemical, fire and climate prediction method according to intelligence reports. Schedule of activities (CD) on the objects of management. Conduct decontamination, degassing, disinfection, and demercurization for disaster relief situates. To conduct induction training on health and safety of persons who are employed.

**8. Method of training:** classroom

**9. Required mandatory preliminary and related modules:** basic medical knowledge.

**10. Module сontent:** The Law of Ukraine about (CD) of Ukraine. The structure of (CD) of Ukraine, a particular object, institutions and organizations. Emergency peacetime and wartime. Evaluation of radiation and chemical environment. Protection in emergency situations. Theoretical foundations of health and safety. Legislative and legal framework of Ukraine on protection of labor.

**11. Recommended Reading:**

1. Закон України «Про Цивільну оборону України». ВРУ. №2974-ХП. 1993 р. №555-ХІУ. 1999 р. Київ.

2. Стеблюк М.І. Цивільна оборона.- К.: Урожай, 1994. – 360 с.

3. Миценко І.М., Мезенцева О.М. Цивільна оборона: Навчальний посібник. – Чернівці: Книги ХХI, 2004. – 404 с.

4. Мельник О.В. Методика оцінки радіаційної, хімічної обстановки при ядерних вибухах, аваріях на атомних електростанціях та на об’єктах хімічної промисловості. – УДПУ.: ПП Жовтий О.О., 2009. – 50 с.

**12. Forms and methods of teaching:** lectures, practical exercises, independent work, calculation-graphic work.

**13. Methods and evaluation criteria:**

* The current control (50%): oral questioning, perform tasks, solving problems.
* The final control (50%): test control, calculation-graphic work.

**14. Language:** Ukrainian

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