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J11619-001

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**TEACHING OF NORMATIVE DISCIPLINE «CIVIL DEFENCE» FOR
PREPARATION OF STUDENTS OF EDUCATIONALLY-QUALIFYING
LEVEL MASTER'S «DEGREE»**

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Abstract. Study of reasons of origin of accidents, catastrophes and action of striking factors of natural calamities and weapon of mass defeat on people, animals, plants, agricultural produce, forage, water, and also knowledge of methods of warning of emergencies and liquidation of their consequences can considerably decrease losses from them.

Key words: civil defence, teaching methodology, normative discipline, defence of population, emergency, hearth of defeat.

Technogenic, anthropogenic and natural emergencies purchased global character lately. From data of the UNO of increase of amount of population increases the scales of consequences of natural calamities in connection with that all more people force to live in dangerous places, that are in the districts of flood, changes, critical territories after ecological consequences [1-4].

A ecoh-ekonomichna situatsiya situation in Ukraine became worse and is considered a crisis. Annually in Ukraine there is plenty of emergencies of natural, anthropogenic and technogenic origin, that result in death of many people and to the considerable material losses [5,6]. Tom, in accordance with the program of preparation of master's degrees of higher educational establishments, large attention is spared to civil defence of population.

Some emergencies after scales spread almost to all spheres of life, negatively influence on the socialpsychological state and economy of our country. In the certain regions of Ukraine with high density of population the located objects with an increase danger, and it strengthens the danger of possible natural calamities, accidents and catastrophes of technogenic origin sharply. People perish as a result of emergencies, material losses to the population and state are inflicted [4-6].

A typical on-line tutorial of normative discipline is "Civil defence" for higher educational establishments for all specialities after educationally-qualificatory levels "Specialist", master's "Degree" worked out in accordance with the order of Department of education and science of Ukraine, Ministry of Ukraine on questions emergencies and in matters of protecting of population from the consequences of the Chernobyl' catastrophe and State committee of Ukraine from industrial safety, labour and mountain supervision protection from 21.10.2010 № 969/922/216 T" About organization and perfection of studies on questions a labour, safety of vital functions and civil defence in higher educational establishments of Ukraine", registered in Ministry of Justice of Ukraine on November, 9, 2010 after № 1057/18352, protection.

Educational discipline "Civil defence" is normative, included in initial plans as discipline of obligatory choice that keeps independence at any organizational structure of higher educational establishment.



The aim of study of discipline "Civil defence" is forming for the students of ability creatively to think, to settle the thorny problems of innovative character and accept productive decisions in the field of civil defence, taking into account the feature of future professional activity, and also achievements of scientific and technical progress.

The task of study of discipline envisages a capture and mastering of the newest theories students, methods and technologies from prognostication of emergencies, construction of models of their development, determination of level of risk and ground of complex of events, emergencies, defence of personnel, population, material and cultural values, sent to the distraction in the conditions of emergencies, localization and liquidation of their consequences.

By legal framework of preparation of discipline "Civil defence" of specialists of OKP master's "Degree" is the following basis documents of state level : Constitution of Ukraine, laws of Ukraine "On education", "About higher education", conception of the skilled providing of agroindustrial complex of Ukraine on a period 2010 to, laws of Ukraine "On the Civil defensive of Ukraine", "About legal principles of civil defence", "About events in relation to the increase of level of defence of population and territories from emergencies", "About the legal mode of superexcellence", About the use of nuclear energy and radiation safety", "About providing of the sanitary and epidemic state of prosperity of population", "About the legal mode of territories, that tested a radiocontammant as a result of the Chornobyl' catastrophe" and other documents that behave to protecting of population and territories from the emergencies of peaceful and military time.

Master's "degrees in corresponding directions of preparation, must be able to decide professional tasks taking into account the requirements of civil defence and own next main professional competenses for providing of realization of the indicated tasks :

Competenses embrace:

- ability to determine the circle of the duties after direction of professional activity taking into account the tasks of civil defence;
- knowledge of methods and tool of monitoring of emergencies, construction of models of their development and estimation them socio-economic consequences;
- ability to make decision on questions civil defence within the limits of the plenary powers [3].

Professional competenses after the type of activity embrace:

- realization of authentication, research of terms of origin and development of emergencies and providing of скоординованих actions in relation to their warning on the objects of menage in accordance with the professional duties;
- electing and application of methodologies from prognostication and estimation of situation in the zone of emergency, calculation of parameters of striking factors of sources of emergency, that is controlled and used for prognostication, determination of composition of forces, facilities and resources for overcoming of consequences of emergency;



-understanding, development and introduction of preventive, and operative events of the understanding, development and introduction of preventive, and operative events of civil defence;

-interpretation of the newest achievements in a theory and practice of management safety in emergencies;

-providing of quality studies of workers of objects of manage on questions civil defence, grant of help and consultation to the workers of organization(to subdivision) on practical questions of defence in emergencies;

-illumination of pressing questions of civil defence and civil defensive of employees of enterprises, establishments and population is in the cases of origin of emergencies of natural, technogenic or military character taking into account the modern period of development of society;

-exposition of theoretical and practical the question of civil defence of population in emergencies, that will provide preparation of students and specialists, as future leaders, to the skilled actions in case of necessity of defence of employees of enterprises, establishments and us

-illumination of knowledge and abilities of students in relation to the urgent acceptance of the most expedient and optimal decisions and operating under providing of minimization of destructions, losses and negative influences of striking factors of emergency on people, productive activity of enterprises and environment.

At the study of discipline "Civil defence" the estimation of knowledge of students is conducted on results two rich in content modules.

-Course of employments of the first rich in content module of discipline "Civil defence" consists of such themes of lecture employments :

Theme 1.Civil defence is in modern terms. Table of contents of theme : Law and position on Civil defence of Ukraine. An acceleration of rates of scientific and technical process, use of the difficult technical systems, increase of development of their exploitation, origin of possibilities of emergencies is a -реальна threat of health and life of people.

-Role and place, task of civil defence in the structure of events on providing of vital functions of population from industrial accidents, catastrophes and natural calamity. Standing committees on emergencies, their aims and tasks.

General principles of organization and structure of establishments of Civil defence of Ukraine. Organizational structure of civil defence of national economy, force and facilities of CD.

Forming of CD and order of their creation. Organization, rigging and possibilities of forming. Territorial and objective forming and services, special and specialized forming. Forming of IЦ3 on radiation and chemically the dangerous objects of national economy.

Troops of civil defence. Civil defence is in the foreign states.

Тема 2. Monitoring of dangers, which can entail emergencies. Table of contents of theme : emergencies, reasons of origin and component systems of their monitoring. Name and determination of basic indexes of sources of natural emergencies and nomenclature of denotation, dimension and order of determination of parameters of factors of sources of technogenic emergencies, that is controlled and subject to



prognostication. The territorial monitoring is after objects, resources, processes and systems of defence and liquidation of emergency

Position of authentication and passport systems of objects of menage are in relation to determination of potential danger. Determination and analysis of the dangers related to violation of safe external of objects of menage environments.

Theme 3. Devices of radiation, chemical secret service, control of radiocontammant and irradiation and chemical infection of products, forage, water.

Table of contents of theme : Methods of study of ionization radiations. Units of radiation : doses of radiation, level of radiation(power of dose), degree of radiocontammant. Classification of devices of radioactive secret service, control of radiocontammant and irradiation. Principles of work of devices, makeready of them and to the robot with them. Classification of devices of chemical secret service and chemical infection of products, forage and water.

Theme 4. Methods of calculation of zones of defeat from technogenic explosions and fires and antiexplosive and fire-prevention defence of objects of menage. Table of contents of theme : Classification of zones. Description of degrees of destruction. Methods of calculation of descriptions of zones of defeat. An estimation of firmness of work of objects of menage is as a result of explosion of air-gas mixture.

Determination of categories of apartments, houses and building after *вибухопожежною* and by a fire hazard. Determination of degree of their fire-resistance

Estimation of scale and character(to the kind) of fire, prognostication of her development, speed and direction of distribution, area of zones of smoke-screen and time, storage of smoke. The Antiexplosive and fire-prevention protecting of objects of menage, basic events of protecting is from technogenic explosions and fires.

Course of employments of the second rich in content module of discipline "Civil defence" consists of such themes of lecture employments :

Theme 1. Prognostication of situation and planning of events of defence are in the zones of nuclear, chemical and biological contamination. Table of contents of theme : Description of zones of nuclear, chemical and biological contamination. Determination of parameters of zones of contamination radioactive and dangerous chemicals is during emergency prognostication of possible situation. Methodology of calculation of zones of realization of general and partial immediate evacuation is on the early phase of development of radiation accident.

Preventive events are in relation to the decline of scales of radiation and chemical influence on the objects of menage. Determination of complex of events of defence of personnel and material values of objects of menage in case of origin of accident chemically-dangerous object. Defence in the conditions of radiation accident, criteria for making decision in relation to their introduction. The typical modes of radiation defence and functioning of objects of menage are in the conditions of radiocontammant of locality .

Theme 2. Estimation of engineering situation and socio-economic consequences of emergencies. Table of contents of theme : Providing of technogenic safety on enterprises, in establishments and organizations, as component part of civil defence .



Ways and methods of increase of firmness of work of industrial objects. Providing of reliable defence and life-support of manufacturing staff. Defence and rational placing of capital productive assets, zoning of territory of object

Defence of technological equipment, robot on the simplified technology, use of local resources. Increase of firmness of productive building and building, communally-power and technological networks. Increase of fire-prevention firmness.

Theme 3. Defence of population is in emergencies. Planning of events is on questions civil defence. Table of contents of theme : the Basic kinds and facilities of defence of population at accidents, catastrophes, natural calamities, applications of facilities of mass defeat, their compressed description.

Mode of defence of population and providing of productive activity of objects(forest) of agriculture at accidents, catastrophes and natural calamities, and also in the conditions of nuclear, chemical(biological) contamination.

Protecting of apartments is from penetration of radioactive and toxic aerosols. Protective building, depositories, shelters. Requirements are to radiation building. Planning and structural decisions, technological equipment, systems of life-support, office, system of supply of air hours.

Theme 4 . Providing of events and actions within the limits of the single system of defence. Table of contents of theme : Problems of safety of population and territories, all-round providing of his protecting from the emergencies of technogenic, natural, military and socio-political character the Traditional orientation of the system of civil defensive in Ukraine in relation to the decision of tasks of war-time.

To practical employments at study of discipline "Civil defence" next themes belong:

1. Monitoring of prognostication of emergencies.
2. Devices of radiation, chemical secret service, control of radiocontammant and irradiation and chemical infection of products, forage and water.
3. An estimation of radiation, chemical, engineering, fire situation is in emergencies
4. Planning of safety of vital functions measures is in emergencies.
5. Facilities of individual defence of population.
6. A self-help and mutual help are in emergencies.
7. Bases of defence of industry are in emergencies.
8. Planning of defence of working is in agriculture in emergencies.

Conclusions:

1. A study of normative discipline is "Civil defence" on preparation of students of OKP master's "Degree" all includes specialities educational themes of lecture and practical employments of two rich in content modules.

2. The estimation of eventual level of knowledge of students is conducted on results two rich in content modules of study of discipline "Civil defence". An aggregate result of knowledge of students is realization of writing test in form test questions.



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**J11619-002****Avetisian L.V****THE PROBLEMS OF NATIONAL SECURITY OF UKRAINE IN
MODERN INTERNATIONAL RELATIONS***Institute of International Relations Kyiv National Taras Shevchenko University,
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Abstract. In this paper we describe the use of actual issues of national security in the context of international relations. The composition of national security at the present stage of development in Ukrainian state is generating risks of loss economic and political independence and the sovereignty of the country.

Key words: national security, economic security, political security, human development index, economic growth.

Presenting main material. Given the contradictions of economic development and integration in general, trends in world economic plane should be noted that the relevance of safety and quantification limits of its indicators is difficult to underestimate, especially in the emerging global economic space.

In the national security of Ukraine are three levels: security of individuals, society and the state, the role and place is determined by the nature of social relations, political structure, the degree of internal and external threats.

Thus, in Art. 3 of the Constitution of Ukraine states that "a person's life and health, honor and dignity, integrity and security is defined in Ukraine as the highest social value" [1]. Security State under Art. 17 of the Constitution of Ukraine defined as "defense of the sovereignty and territorial integrity of Ukraine, to ensure it's economic and informational security" [1]. Security Society provides for public institutions, advanced forms of social consciousness, making it possible to realize the rights and freedoms of all people and to oppose the division of society. Professor L.Turou (USA) said: "If all the world's population will have a productivity of Switzerland, the standard consumption in China, the Swedish social cohesion and discipline of Japan, the planet can sustains a much larger population than today." Thus, the author recognizes significant factors of maintaining national security and, therefore, the harmonious development of the world economy [2, c.14].

National security as a system of standard connections in any country unites each of the areas of operation and development of man, society and the state (Fig. 1).

On my mind, at each stage of development of society or another element of national security was becoming the defining character, but a question of limited resources is crucial at every stage of development, as it can ensure the growth of GDP and welfare. To bring about the close connection between the level of growth in national output and living standards that correlate the dynamics, we can study trends through human development index, which includes monitoring of the following parameters:

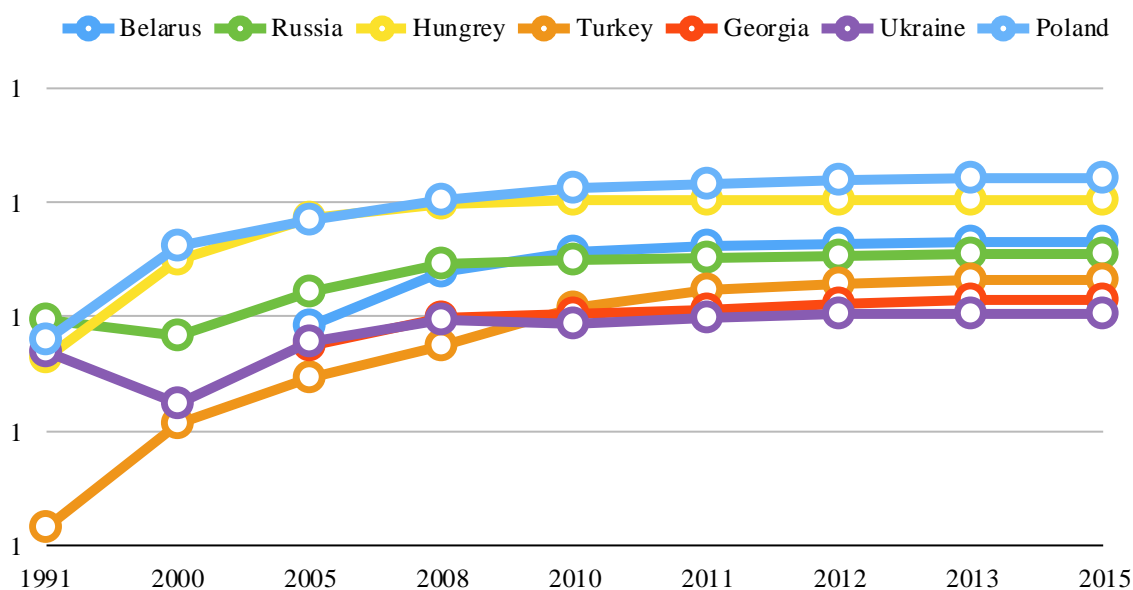
- quality of life, which is measured by the size of the gross national income per capita at purchasing power parity in US dollars;



- literacy rate, defined as the average number of years spent on education and the expected duration of training;
- longevity as a basis for social welfare, as measured by life expectancy.

Fig. 1. Structure of National Security in Ukraine

Fig. 2. Dynamics of human development index in Ukraine and neighboring



countries, 1990-2015.

Source: compiled by the author according to the Human Development Reports [5]

We see that in comparison with neighboring countries, the growth rate of the index of human potential in Ukraine is the lowest. On reduction of key figures in level of national security of Ukraine showed the following ratios (see. Table. 1).



Table 1

Key parameters that demonstrate reduction of national security in Ukraine, 2011-2015.

Figure	2011	2012	2013	2014	2015
GDP, mln. UAH	1302079,0	1408889,0	1 465 198,0	1 586 915,0	1 979 458,0
Expenditure on defense mln. UAH.	13241	14486	14843	27463	52005
Expenditure on defense to GDP, %	1,0	1,0	1,0	1,7	2,6
Deficit of Budget to GDP, %	6,0	-3,6	18,9	20,5	7,9
Public Debt to GDP, %	23,3	24,5	23,9	32,3	50,8

Source: Author compiled and calculated according to [3.4]

Note that in the period of Ukraine as an independent state level of national security is continuously decreasing:

- the most important in the analysis of economic security is a critical level of reduction of financial security of Ukraine, that is a question that generates state debt bondage on external financial resources and implementing risk of default, as the ratio of debt to GDP is close to the critical 60%;
- in the analysis of political security, in my opinion, it is worth noting a decline Ukraine's image in the global context, "offshore scandal" associated with key political figures in the executive and legislative authorities, potential "frozen" implementation of the Association Agreement as an indicator of real perception of Ukraine as a member of international relations;
- in the analysis of actual problems of military security - increasing the state budget expenditures (up 2.6% relative to GDP) to increase the country's defense does not solve the fact of military conflict in the east of the state.

Conclusions. Consequently, national security is a multifaceted concept, which includes defense, environmental, energy, food and other forms of security. But systemic coherence and efficiency can be achieved under conditions of sustained economic growth. In my opinion, achieving stability in ensuring the achievement of positive dynamics of these structural parameters of national security of Ukraine as financial, political and military are crucial at this stage of the Ukrainian state.

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