

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
OLEKSANDR DOVZHENKO HLUKHIV NATIONAL PEDAGOGICAL UNIVERSITY
PRE-SCHOOL EDUCATION DEPARTMENT
NATURAL SCIENCES EDUCATION DEPARTMENT**

**IMPLEMENTING THE STRATEGY OF ENVIRONMENTAL
SECURITY: INTEGRATION OF EUROPEAN EXPERIENCE**

**PROGRAMME
of variable academic discipline of Bachelor degree training
directions 6.010101 Pre-school education,
6.040102 Biology***

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1. EXPLANATORY NOTE

Taking into account Ukraine's integration into European educational space there is a need in studying and purposeful using European countries effective practices to tackle a number of problems, among which an important place is occupied by the question of environmental safety. Environmental security is: a set of actions, states and processes that directly or indirectly don't lead to vital damages (or threats of such damage) that cause the environment, individuals and humanity in general; the set of states, events and actions that ensure the ecological balance on the Earth and in all the regions at the level to which physically, socially, economically, technologically and politically humanity is ready.

The object of environmental security is all that is essential for the subjects of security: law, individual's material and spiritual needs, the natural resources and environmental resources as the material basis of state and social development.

The subjects of ecological security are individuals, society, the biosphere, the state.

The course "Implementing the strategy of environmental security: integration of European experience" is relevant due to the necessity of forming students and other concerned people the European level of ecological and pedagogical culture, in particular environmental competence. The process of forming intending teachers' environmental competence should be based on interdisciplinary integration of academic disciplines, among which the marked course should take an important place. The course is meant to be an integral component of professional training of highly qualified educational field specialist.

The program of studying variable academic discipline "Implementing the strategy of environmental security: integration of European experience" is made for the areas of training: 6.010101 Pre-school education, 6.040201 Biology* according to Bachelor degree brunch standards, in accordance with the orders of MES of Ukraine from 16.10.2010, № 943 "On introducing the European credit transfer system in Ukraine higher educational institutions", Ministry of Health of Ukraine from 08.07.2010

The object of the discipline is the European countries experience in addressing environmental security issues.

Interdisciplinary relations. Studying the course "Implementing the strategy of environmental security: integration of European experience" is realized in close connection with other disciplines. Methodological principles of mastering the course consists of the following educational disciplines: "Philosophy", "Ecology", "Ecology basics", "Biology", "Health and Safety". The course is basic for the following studying courses "Technology of forming ecological culture among children of preschool age", "The technology of natural Sciences

teaching methods", "Philosophy of education", "Higher school pedagogy and the Bologna process", "Labour protection in industry".

The purpose of teaching the discipline: forming ecological and pedagogical culture of intending teacher on the basis of the European experience in the implementing the environmental security strategy.

The main tasks of learning the discipline:

- increasing the interest in ecological safety problem and ways of its solution in Ukraine and EU countries;
- providing students with deep system knowledge about the European Union experience on environmental security issues;
- developing the abilities to design ecologically safe educational environment in preschool institutions, comprehensive schools, drawing on the European countries experience;
- encouraging students to independent information research on implementing environmental policy in the EU and disseminate it among the general public;
- educating intending teachers' orientation on continuous professional competencies improvement using the EU countries experience in environmental safety field;
- forming professional skills of the European experience in implementing the environmental safety strategy analysis and evaluation and its creative implementation in their own professional activity;
- mastering several environmental competencies based on European experience;
- forming active citizenship on environmental security issues that is based on the European civil society experience.

The discipline program consists of the following **content modules**:

Content module 1. Regulatory framework on environmental safety issues in the European Union.

Content module 2. International organizations activities based on issues of protecting and saving natural environment.

Content module 3. Ecological education in EU countries.

Content module 4. The introduction of the European experience on implementing the ecological safety strategy on the territory of Ukraine.

According to the requirements of educational and professional program, students must:

Know:

- basic concepts in environmental education and safety field; the ecological safety nature and general characteristics and ways to ensure its implementing;

- main environmental education principles, models, directions in the European Union countries;
- basics of international law on environmental safety;
- mechanisms of society influence on environmental programs in the European Union countries;
- ways of integrating the European experience of implementing the ecological safety strategy on the territory of Ukraine.

Be able to (on the diagnostic level):

- use European theoretical and methodological concepts and normative acts on environmental safety in practical professional activity;
- know and apply known educational tools on environmental security.

The course “Implementing the strategy of environmental security: integration of European experience” is carried out on 2 and 4 courses in the amount of 90 hours (3 credits), including 24 lecture hours, 16 hours of practical classes and 50 hours of students independent work. In the process of mastering educational material, students perform individual work on actual issues of ecological security on the topics specified in the program content.

The course program is built on a modular technology, includes thematic hours distribution, lectures topics and their annotation, the methodical recommendations for practical classes, tasks for students independent work, list of recommended educational, scientific and reference literature, provides structuring classroom and independent work in accordance with the content modules and forms of monitoring and conditions of students educational activity assessment.

The program covers the following components: training time division according to the class type and education forms, the program content, practical training themes, forms of independent work, the list of recommended literature, the form of final control, diagnostics the success of training.

2.1. TRAINING TIME DIVISION ACCORDING TO THE CLASS TYPE AND EDUCATION FORM

EDUCATION FORM	COURSE	SEMESTER	GENERAL LOADING		WORKING HOURS					SEMESTER CONTROL TYPE	
			European credits	Hours	Auditory classes				Students individual work	Credit	Examination
					Altogether	Lectures	Laboratory work	Practical classes			
Full-time	2, 4	III, VII	3	90	52	24	0	16	50	7 sem.	-
Part-time/ distant	2, 4	III, VII	3	90	12	8	0	2	80	7 sem.	-

2.2. THE DISCIPLINE INFORMATION AMOUNT

CONTENT MODULE 1. REGULATORY FRAMEWORK ON ENVIRONMENTAL SAFETY ISSUES IN THE EUROPEAN UNION

Introduction. The subject, object, the purpose and objectives of the course. The nature and general characteristics of state's ecological safety. The EU and its competence in the environmental protection field.

The analysis attributes the EU environmental management system: environmental policy (its condition and development), EU environmental program, the strategic action plans.

The EU institutions in the environmental protection field: European Commission, European Parliament, European Council and European Environment Agency (EEA).

Principles of EU environmental law. Environmental rights and their protection within the EU. The concept of environmental violations by EU legislation. Types of legal liability for violation of EU environmental legislation.

The analysis of EU framework legislation to ensure a high level of environmental protection. Legal regulation in the field of climate change prevention within the EU. Legal regime for the environment protection, territories and objects requiring special protection. Saving and protecting biological diversity in European environmental law. Legal regulating the raised

danger objects and creating a system of preventing major industrial accidents in the European Union. Legal regulating environmentally dangerous activities (waste management).

Approximate themes of seminars (practical classes):

1. The concept and system of EU environmental law: environmental policy, environmental programs, strategic action plans.

2. The concept and system of EU environmental law: EU normative and legal base on environmental security. Projects presentation.

The content of students' independent work: studying the lecture material. Preparation for the practical classes. Preparation and implementation of the project "European environmental law: is it necessary for Ukraine?"

CONTENT MODULE 2. INTERNATIONAL ORGANIZATIONS ACTIVITIES BASED ON ISSUES OF PROTECTING AND SAVING NATURAL ENVIRONMENT

International cooperation of EU countries in the sphere of environmental protection. Institutional, financial and administrative capacities of international government environmental organizations (UNO, IAEA, WHO, IMO, Council of Europe, EEA etc.). Intergovernmental European programs on monitoring the natural environment condition and preventing the global environmental crises development.

International environmental non-governmental organizations and their role in the forming balanced nature usage and constant development in the EU. The activity of international public organizations, non-governmental agencies, funds (IUCN, GPI, WWF, WSPA, EEA Club of Rome etc.) on saving species diversity and wildlife, climate change, promoting environmental information among a wide strata of the population.

Approximate themes of seminars (practical classes):

1. International cooperation in environmental protection field and its role in EU constant development strategy.

2. Ukraine participating in international environmental activities and implementing EU environmental programs and projects.

The content of students' independent work: studying the lecture material. Preparation for the practical classes. Preparation and implementation of the project "The experience of EU public environmental protection organizations for Ukraine".

CONTENT MODULE 3. ECOLOGICAL EDUCATION IN EU COUNTRIES

General characteristics of environmental education in countries of the European Union. The purpose, objectives, models, directions, principles of environmental education. National systems characteristics of ecological education in EU countries. Ecological culture in the environmental security context.

Children's environmental education basics before the school period in the European Union, its content and forms. The essence of schoolchildren ecological education in Austria, Denmark, Ireland, Finland, Germany, Greece, Sweden, the UK, France, Belgium. School education environmental orientation. Environmental programs for school age children.

Students' environmental education in the EU. Students' participation in environmental projects, and international public environmental organizations. Continuity in environmental education among all education levels in the EU. EU environmental education experience usage in the Ukrainian educational system.

Approximate themes of seminars (practical classes):

1. General characteristics of environmental education for sustainable development in EU countries.
2. The essence of children and youth ecological education in the EU in the environmental security context.

The content of students' independent work: studying the lecture material. Preparation for the practical classes. Preparing for the business game "Round table on environmental education and safety in the EU".

CONTENT MODULE 4. THE INTRODUCTION OF THE EUROPEAN EXPERIENCE ON IMPLEMENTING THE ECOLOGICAL SAFETY STRATEGY ON THE TERRITORY OF UKRAINE.

Ukrainian ecological policy is the basis for creating preconditions for sustainable development of the country. The priority directions of Ukraine state policy in the field of environmental protection, natural resources and environmental safety ensuring.

Ukraine normative and legislative base and international cooperation in the environmental protection field. Implementing the international legal acts in Ukraine environmental legislation. Forming and implementing the national environmental policy strategy through cooperation with the EU.

State relations regulation in nature protection sphere on the European experience basis. The draft strategy of national environmental policy until 2020, which is based on complex managerial, economic, social, environmental activities.

Approximate themes of seminars (practical classes):

1. The directions and priorities of Ukraine state environmental policy in the conditions of globalization.
2. Ukraine ecological security strategy in the context of international experience.

The content of students' independent work: studying the lecture material. Preparation for the practical classes. The discussion club meeting on the problems of using the EU environmental safety experience in Ukraine.

3. RECOMMENDED LITERATURE.

The main literature

1. Boychuk Yu. Ecology and environmental protection: tutorial / Yu. Boychuk, E. Soloshenko, O. Buhay. – Sumy-Kiev, 2005. – 302 p. [in Ukrainian].
2. Dorohuntsov S. Ecology: Textbook / S. Dorohuntsov - , K. Kotsenko, M. Khvesyk and others. — K.: KNEU, 2005. — 371 p. [in Ukrainian].
3. Vasyukova T. Ecology: Textbook / T. Vasyukova, O. Yarosheva. - K.:Konkord, 2009. - 524 p. [in Ukrainian].
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7. Vystrobets' E. Environmental law. Motivation for international cooperation / E. Vystrobets'. – M. : Nauka, 2006. – 383 p. [in Ukrainian].
8. Zerkalov D. Environmental safety: management, monitoring, control: Tutorial (Series: International and national safety) / D. Zerkalov. – K.: KNT, Dakor, Osnova, 2007. – 412 p. [in Ukrainian].
9. Kopyyka V. The European Union: history and principles of functioning : Tutorial / V. Kopyyka, T. Shynkarenko; edited by L. Hubers'ky. – 2-nd edition., revised and expanded – K.: Znannya, 2012. – 759 p. [in Ukrainian].
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13. Opryshko V. European Union Law / V. Opryshko, A. Omel'chenko, A. Fastovets'. — Kiev: Knyha, 2002- 460 p. [in Ukrainian].
14. Environmental education organization in foreign countries [Electronic resource]. Access mode: ua.kursoviks.com.ua [in Ukrainian].
15. European Union Law: Textbook / edited by V. Muravyova. – K. : Yurinkom Inter, 2011. – 704 p. [in Ukrainian].
16. European Union Law: Textbook / edited by O. Vyshnyakova. – Odesa : Feniks, 2013. – 883 p. [in Ukrainian].
17. Policy and EU law on matters relating to the environment // Vladislav Bizek: tutorial. Kiev – 2013. 5 p. 162 – Access mode : <http://www.sbs-envir.org/images/documents/ECLEG-Textbook-UA.pdf>. [in Ukrainian].
18. Pysarenko Ye. Approaches to environmental education in the countries of the West [Electronic resource]. Access mode: www.superinf.ru [in Ukrainian].
19. Pysanka K. Problems of ecological education and upbringing in different countries / K. Pysanka // A young scientist. Psychological and pedagogical science. – № 4 (7) April, 2014. – P. 65 – 70. [in Ukrainian].

20. Sichko I. Environmental education features in higher educational institutions of foreign countries / Iryna Sichko, Lyudmyla Yurchenko // Comparative educational studies. – 2011. – № 1 (7). – P.11-116. [in Ukrainian].

21. Skyba Yu. The forming intending ecologists' management competence on the principles of balanced development: theory and practice : Monograph / Yu. Skyba. – K. : M. P. Drahomanov NPU, 2013. – 440 p. [in Ukrainian].

22. Tunytsya T. Sustainable natural resources use: national and international context / T. Tunytsya. – K.: Znannya, 2006. – 300 p. [in Ukrainian].

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4. THE FORM OF FINAL CONTROL: credit.

5. DIAGNOSTIC TOOLS THE SUCCESS OF TRAINING: tests, oral examination during practical classes.