



## COURSE SYLLABUS

«Social ecology»

**Degree of higher education - Bachelor**

**Specialization 101 Ecology**

**Educational programme «Ecology»**

**Academic year 3, semester 6**

**Form of study full-time**

**Number of ECTS credits 4**

**Language of instruction English**

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**Lecturer of the course**  
**Contact information of the lecturer (e-mail)**

**Course page on eLearn**

**docent Rakoid O.O., PhD on agrarian sciences**

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**<https://elearn.nubip.edu.ua/course/view.php?id=4922>**

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### COURSE DESCRIPTION

*(up to 1000 printed characters)*

The discipline "Social ecology" is a standard professionally-oriented discipline for students of EL "Bachelor" with direction 101 Ecology. Objectives of social ecology are the laws of interaction between society and nature, mechanisms to reduce environmental pollution, maintaining ecological balance, as well as legal and socio-cultural conditions for sustainable development.

The purpose of mastering the discipline is the study of the leading theories and concepts of sustainable development of modern society, formulated in the works of national and foreign authors; acquire a deep knowledge and true competence in the problems of socio-natural character, the formation on this basis: an ecological worldview; responsible attitude to the environment; the desire for active action to protect the natural environment.

#### **Competencies of the educational programme:**

*Integrative competency (IC):*

Ability to solve complex specialized problems and solve practical problems in the field of ecology, environmental protection environment and balanced environmental management, which involves the application of basic theories and methods of environmental sciences, characterized by complexity and uncertainty of conditions.

*General competencies (GC):*

GC7. Ability to act in a socially responsible and conscientious manner.

GC12. Ability to realize their rights and duties as a member of society, to understand the values of civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of man and citizen of Ukraine.

*Professional (special) competencies (PC):*

PC5. Ability to assess the impact of technogenesis processes on the environment and identify environmental risks associated with production activities.

PC6. Ability to utilize the basic principles and components of environmental management.

#### **Program learning outcomes (PLO) of the educational programme:**

PLO14. Be able to communicate the results of activities to professional audiences and the general public, make presentations and reports.

PLO15. Be able to explain the social, economic and political implications of implementing environmental projects.

PLO17. Recognize responsibility for the effectiveness and consequences of implementing integrated environmental measures.

## COURSE STRUCTURE

Topic	Hours (lecture/laboratory, practical, seminar)	Learning outcomes	Tasks	Assessment
<b>Semester 1</b>				
<b>Module 1</b>				
<b>Topic 1</b> <b>Social ecology: subject, methods, principles and laws</b>	4/-	Know structure of tasks and methods of research in the field of social ecology; Recognize modern areas of research in the field of social ecology and international cooperation; Understand the basic laws of social ecology	Submitting practical work Completing independent work (including in eLearn)	<b>10</b>
<b>Sociological approach in the study of ecology. Social ecology laws</b>	-/4			
<b>Topic 2</b> <b>Socio-ecological interaction and its subjects</b>	2/-	Extend knowledge about the basic elements of the environment and their influence on human living conditions	Submitting practical work Completing independent work (including in eLearn)	<b>5</b>
<b>The concept of the human environment and its main elements. Ecology of the living environment</b>	-/2			
<b>Topic 3.</b> <b>The history of the relationship between human and nature</b>	4/-	Be able to use the system of concepts and indicators of social and ecological sciences to solve applied problems, using various sources of information; Know the principles of the formation of environmental consciousness, elements of environmental ethics and environmental culture of society, sociological aspects of environmental protection	Submitting practical work Completing independent work (including in eLearn)	<b>10</b>
<b>The relationship between society and nature in the history of civilization</b>	-/4			
<b>Topic 4.</b> <b>Causes and signs of the modern crisis of the Nature-Society system</b>	4/-	Recognize the scientific foundations and understand the relationship of	Submitting practical work Completing independent work (including in	<b>10</b>

<b>Environmental crisis: its meaning, development phases and signs. Socio-ecological problem and its contradictions. Development models and possible scenarios for overcoming the global environmental crisis</b>	-/4	natural and socio-economic factors in the development of environmental crises; Be able to suggest solutions to socio-ecological problems and predict the negative consequences of economic activity	eLearn)	
<b>Module 2</b>				
<b>Topic 5. Human behaviour in the natural and social environment</b>	4/-	Designate the degree of relevance for basic human needs; Be master of skills in analyzing the natural and social conditions of the environment and activities of the population at the level of the individual, social groups, state, and humanity as a whole	Submitting practical work Completing independent work (including in eLearn)	<b>10</b>
<b>The concept of behaviour. Biochemical, biophysical and informational levels of behaviour regulation. Characterization of environmental needs</b>	-/4			
<b>Topic 6. Human health as a comprehensive indicator of the state of human society</b>	4/-	Predict possible changes in the characteristics of human health under the influence of dynamic changes in the external environment; Be master of skills in assessing the quality of life of the population in accordance with the natural conditions of living	Submitting practical work Completing independent work (including in eLearn)	<b>10</b>
<b>The impact of socio-environmental factors on human health. The concept of "healthy lifestyle"</b>	-/4			
<b>Topic 7. Socio-demographic aspects of social ecology</b>	4/-	Determine the indicators that characterize the human population and the state of its environment; Carry out a statistical evaluation of dangerous and harmful factors for human life	Submitting practical work Completing independent work (including in eLearn)	<b>5</b>
<b>Ecology and demography. Socio-demographic problems of Ukraine</b>	-/4			

<b>Topic 8. Ways to harmonize the relationship between human and nature</b>	4/-	Know the principles of the formation of environmental consciousness, elements of environmental ethics and environmental culture of society, sociological aspects of environmental protection, public and environmental movements	Submitting practical work Completing independent work (including in eLearn)	<b>10</b>
<b>Ecological society as a type of social structure. The concept of sustainable development of nature and society</b>	-/4			
<b>Total for 1 semester</b>				<b>70</b>
<b>Exam</b>				<b>30</b>
<b>Total for course</b>				<b>100</b>

### ASSESSMENT POLICY

<b><i>Policy regarding deadlines and resits:</i></b>	Assignments submitted after the deadline without valid reasons will be graded lower. Resitting of modules will be allowed with the permission from the lecturer and in the presence of valid reasons (e.g. medical reasons).
<b><i>Academic honesty policy:</i></b>	Cheating during tests and exams is strictly prohibited (including the use of mobile devices). Coursework and research papers must contain correct citations for all sources used.
<b><i>Attendance policy:</i></b>	Class attendance is mandatory. In case of objective reasons (such as illness or international internships), individual learning may be allowed (in online format by the approval of the dean of the faculty).

### SCALE OF ASSESSMENT OF STUDENT KNOWLEDGE

Student rating, points	National grade based on exam results	
	exams	credits
90-100	excellent	passed
74-89	good	
60-73	satisfactory	
0-59	unsatisfactory	not passed

### RECOMMENDED SOURCES OF INFORMATION

1. ЕкоСистема, національна онлайн-платформа, яка містить актуальну інформацію про стан довкілля: <https://eco.gov.ua/>
2. Information and analytical data base “Environmental passport of the regions of Ukraine”: <http://ukrecopass.org.ua/>
3. Державна служба з питань безпечності харчових продуктів та захисту споживачів: <https://dpss.gov.ua/bezpechnist-harchovih-produktiv-ta-veterinarna-medicina>
4. Sustainable Development knowledge platform: <http://sustainabledevelopment.un.org/>
5. Self-Nutrition Data: <https://nutritiondata.self.com/>
6. Biorhythm Calculator: <https://keisan.casio.com/exec/system/1340246447>
7. World data center for Geoinformatics and Sustainable Development: <http://wdc.org.ua/en/services/ukraine-sd>

8. ЕкоЗагроза (офіційний вебресурс і мобільний додаток Міндовкілля):  
<https://ecozagroza.gov.ua/>

9. Національна платформа звітування за ЦСР (відкрита платформа ЦСР). URL:  
[https://ukrstat.gov.ua/csr\\_prezent/2020/ukr/st\\_rozv/menu.htm](https://ukrstat.gov.ua/csr_prezent/2020/ukr/st_rozv/menu.htm)