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|  | **SYLLABUS OF AN ACADEMIC DISCIPLINE**  **Social ecology** |
| **Academic degree - Bachelor's** |
| **Specialty 101 Ecology** |
| **Academic programme «Ecology»** |
| **Year of study 3, semester 6**  **Form of study full-time** |
| **Number of ECTS credits 4** |
| **Language of instruction English** |
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| **Lecturer of the discipline** | **docent Rakoid O.O., PhD on agrarian sciences** |
| **Lecturer’s contact information (e-mail)** | **orakoid@nubip.edu.ua** |
| **URL of the e-learning course on the NULES e-learning portal** | **https://elearn.nubip.edu.ua/course/view.php?id=4922** |

**ACADEMIC DISCIPLINE DESCRIPTION**

*(up to 1000 symbols)*

Aim of mastering the discipline "Social Ecology" 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.

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.

**Competences of the discipline:**

*Integral competence (ІC):* 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.

*Special (professional) competences (SC):*

SC5. Ability to assess the impact of technogenesis processes on the environment and identify environmental risks associated with production activities.

SC6. Ability to utilize the basic principles and components of environmental management.

**Expected Learning Outcomes (ELO):**

ELO14. Be able to communicate the results of activities to professional audiences and the general public, make presentations and reports.

ELO15. Be able to explain the social, economic and political implications of implementing environmental projects.

ELO17. Recognize responsibility for the effectiveness and consequences of implementing integrated environmental measures.

ACADEMIC DISCIPLINE STRUCTURE

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| **Topic** | **Hours**  (lectures/laboratory, practical, seminars) | **Learning outcomes** | **Tasks** | **Assessment** | |
| **1 Semester** | | | | | |
| **Module 1** | | | | | |
| **Topic 1**  **Social ecology: subject, methods, principles and laws** | 4/- | To know structure of tasks and methods of research in the field of social ecology;  To recognize modern areas of research in the field of social ecology and international cooperation;  To understand the basic laws of social ecology | Submitting practical work  Completing independent work (including in eLearn) | **10** | |
| **Sociological approach in the study of ecology. Social ecology laws** | -/4 |
| **Topic 2**  **Socio-ecological interaction and its subjects** | 2/- | To 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) | **5** | |
| **The concept of the human environment and its main elements. Ecology of the living environment** | -/2 |
| **Topic 3.**  **The history of the relationship between human and nature** | 4/- | To be able to use the system of concepts and indicators of social and ecological sciences to solve applied problems, using various sources of information;  To 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) | **10** | |
| **The relationship between society and nature in the history of civilization** | -/4 |
| **Topic 4.**  **Causes and signs of the modern crisis of the Nature-Society system** | 4/- | To recognize the scientific foundations and understand the relationship of natural and socio-economic factors in the development of environmental crises;  To be able to suggest solutions to socio-ecological problems and predict the negative consequences of economic activity | Submitting practical work  Completing independent work (including in eLearn) | **10** | |
| **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** | -/4 |
| **Module 2** | | | | | |
| **Topic 5.**  **Human behaviour in the natural and social environment** | 4/- | To designate the degree of relevance for basic human needs;  To 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) | **10** | |
| **The concept of behaviour. Biochemical, biophysical and informational levels of behaviour regulation. Characterization of environmental needs** | -/4 |
| **Topic 6.**  **Human health as a comprehensive indicator of the state of human society** | 4/- | To predict possible changes in the characteristics of human health under the influence of dynamic changes in the external environment;  To 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) | **10** | |
| **The impact of socio-environmental factors on human health. The concept of "healthy lifestyle"** | -/4 |
| **Topic 7.**  **Socio-demographic aspects of social ecology** | 4/- | To determine the indicators that characterize the human population and the state of its environment;  To carry out a statistical evaluation of dangerous and harmful factors for human life | Submitting practical work  Completing independent work (including in eLearn) | **5** | |
| **Ecology and demography. Socio-demographic problems of Ukraine** | -/4 |
| **Topic 8.**  **Ways to harmonize the relationship between human and nature** | 4/- | To 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) | **10** | |
| **Ecological society as a type of social structure. The concept of sustainable development of nature and society** | -/4 |
| **Total for 1st semester** | | | | | **70** |
| **Examination** |  |  |  | **30** | |
| **Total for the course** | | | | | **100** |

**ASSESSMENT POLICY**

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| ***Deadlines and exam retaking policy:*** | Works that are submitted late without valid reasons will be assessed with a lower grade. Module tests may be retaken with the permission of the lecturer if there are valid reasons (e.g., a sick leave). |
| ***Academic integrity policy:*** | Cheating during tests and exams is prohibited (including using mobile devices). Term papers and essays must have correct references to the literature used |
| ***Attendance policy:*** | Attendance is compulsory. For good reasons (e.g., illness, international internship), training can take place individually (online by the faculty dean’s consent) |

**SCALE FOR ASSESSING STUDENTS ‘KNOWLEDGE AND SKILLS**

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| **Student’s rating, points** | **National grading of exams and credits** | |
| **exams** | **credits** |
| 90-100 | excellent | pass |
| 74-89 | good |
| 60-73 | satisfactorily |
| 0-59 | unsatisfactorily | fail |

**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