

**Federal State Autonomous Educational Institution for Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA (RUDN University)**

Educational Division (faculty/institute/academy):
Institute of Ecology

COURSE SYLLABUS

**ENVIRONMENTAL CULTURE:
GENESIS AND MODERN ISSUES**

Recommended by the Didactic Council for the Education Field for the specialization:

44.04.02 "Psychological and pedagogical education"

The mastering of the course is carried out as part of the implementation of the main professional syllabus (Higher Education programme, specialization)

Environmental Pedagogy
(master's programme)

AGREED:

Head of the Higher Education
Programme

Y.L. Zakirova

(подпись)

«__»_____ 202__ г.

Chairperson of the Didactic
Council

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Moscow, 2022

1. Course Goals and Objectives:

The goal of the course: is instilling the norms of ecological culture that form the ethical principles of the relationship between man and various forms of life inhabiting the biosphere of the planet, regardless of the level of organization and the degree of complexity of biosystems.

Objectives:

- to form scientific ideas about the origins of life, the history of the development of culture; relationship between man and the environment;
- lay the foundations for a professional environmental culture and professional ethics;
- instill a culture correct solution of environmental problems of different levels of complexity;
- environmentally substantiate the scientific foundations of the concept of sustainable development.

2. Course in Higher Education Programme Structure:

The course «**Environmental Culture: Genesis and Modern Issues**» refers to an obligatory part of block 1 of the curriculum.

Table No. 1 shows the previous and subsequent disciplines aimed at the formation of the competencies of the corresponding course in accordance with the competence matrix of EP HE.

Table 1. Previous and subsequent courses aimed at building competencies

Nr.	Competence code and title	Previous courses	Subsequent courses
Universal competencies			
1	UC-5 Able to analyze and take into account the diversity of cultures in the process of intercultural interaction. UC-6 Able to identify and implement the priorities of their own activities and ways to improve it based on self-esteem.	-	Environmental Ethics Psychology of Environmental Behaviour Humanitarian Ecology Environmental Phylosopy Sustainable Development in the Context of Environmental Culture
General competencies			
2	GC-4 Able to create and implement the conditions and principles of spiritual and moral education of students on the basis of basic national values.	-	Environmental Ethics Psychology of Environmental Behaviour Humanitarian Ecology Environmental Phylosopy Sustainable Development in the Context of Environmental Culture
Specialized professional competencies (type of professional activity – research, control and expert, organizational and management)			
3	SPC-2 Able to carry out research support and educational and methodological support for the implementation of basic and additional, including professional programs.	-	Environmental Ethics Psychology of Environmental Behaviour Humanitarian Ecology Environmental Phylosopy Sustainable Development in the Context of Environmental Culture

3. Requirements to Learning Outcomes:

The process of studying the course is aimed at the formation of the following competencies according to the educational standard:

Universal competence – 5. Able to analyze and take into account the diversity of cultures in the process of intercultural interaction.

Universal competence – 6. Able to identify and implement the priorities of their own activities and ways to improve it based on self-esteem.

General competence – 4. Able to create and implement the conditions and principles of spiritual and moral education of students on the basis of basic national values.

Specialized professional competence – 2. Able to carry out research support and educational and methodological support for the implementation of basic and additional, including professional programs.

As a result of studying the course, the student must:

Know: theoretical basics in the field of environmental culture.

Be able to: be able to organize expedient activities in the natural environment based on moral and aesthetic perception of the natural environment leading to the establishment correspondence between the ecological needs of the individual and the possibilities of natural peace.

Possess skills of:

- working with scientific literature,
- collecting the necessary information and material of the topic under study,
- presenting and explaining the main ideas to the audience,
- conducting a detailed analysis based on the data obtained and make appropriate conclusions,
- organizing educational programs in future teaching practice in order to form environmental culture of schoolchildren.

4. Course Workload and Academic Activities

The course workload of «**Environmental Culture: Genesis and Modern Issues**» is 3 credits.

Table 4.1. Types of academic activities during the period of the HE programme mastering

Full-time

Types of academic activities	Total hours	Semesters				
		1	2	3	4	5
Contact academic hours	34	34				
Including:						
<i>Lectures</i>	17	17				
<i>Seminars (workshops/tutorials)</i>	17	17				
<i>Lab works</i>						
<i>Self-study</i>	74	74				
Evaluation and assessment (exam; pass/fail grading)	36	36				
Total course workload	hours	144	144			
	credits	3	4			

Part-time

Types of academic activities	Total hours	Semesters				
		1	2	3	4	5
Contact academic hours						
Including:						
<i>Lectures</i>						
<i>Seminars (workshops/tutorials)</i>	10		10			
<i>Lab works</i>	-					
<i>Self-study</i>	94		94			
Evaluation and assessment (exam; pass/fail grading)	4 exam		4			
Total course workload	hours	108		108		
	credits	3		3		

5. Course content

Table 5.1 Course modules and contents

course modules	contents
1. Introduction to ecological culture.	Introduction to the problem of ecological culture. History of development and formation of ecological culture. Theoretical foundations of ecological culture.
2. The concept of sustainable development as the basis for the formation of modern ecological culture.	Biosphere from the standpoint of ecological culture. Environmental dimension of sustainable development. Global environmental challenges and environmental problems in socio-cultural, political and economic contexts.
3. Mechanisms and factors of ecological culture formation.	International agreements in the field of environmental protection. Ecological policy of the state: mechanisms and factors of ecological culture formation. Participation of youth in making environmentally significant decisions and methods for resolving environmental conflicts.
4. Formation of ecological culture.	Formation of ecological culture of youth and priorities of Russian environmental policy. Ecological culture of business activity. Regional and municipal programs of ecological education and enlightenment.

6. Classroom equipment and technology support requirements

Table 6.1 Classroom equipment and technology support requirements

Classroom for Academic Activity Type	Classroom equipment	Specialized educational/laboratory equipment and materials for mastering the module
Lecture hall (room)		
Laboratory		
Seminar room	Classroom, equipped with a set of specialized furniture; a whiteboard; a	

	personal computer with a standard package of office programmes; a set of devices includes portable multimedia projector, laptop, projection screen, Stable wireless Internet connection. Software: Microsoft Windows, MS Office / Office 365, MS Teams, Chrome (latest stable release), Skype	
Computer lab		
For students' self-study		

7. Recommended sources for course studies

Main reading

1. Pavlov A.N. Fundamentals of ecological culture. St. Petersburg, Polytechnic, 2004.
2. Tyumentseva E.Yu. Ecological education and upbringing as a factor of sustainable development of society [Electronic resource] / E.Yu. Tyumentseva, V.L. Shtabnov, E.V. Vasiliev. — Electron. text data. — Omsk: Omsk State service institute, 2014. - 159 p. — 978-5-93252-339-1. - Access mode: <http://www.iprbookshop.ru/32800.html>
4. Chugainova L.V. Fundamentals of ecological culture [Electronic resource]: educational methodological manual / L.V. Chugainov. — Electron. text data. — Solikamsk: Solikamsk State Pedagogical Institute, 2013. - 140 p. — 978-5-89469-094-0. - Access mode: <http://www.iprbookshop.ru/47884.html>

Additional reading

1. Burovsky A.M. The evolution of environmental education. // Ecology and life. No. 2, 2006.
2. Interaction between nature and society as a complex problem of science and practices // Sat. scientific works. Irkutsk - Chita, 1981.
3. Glazachev S.N., Kozlova O.N. Ecological culture. M., 1999.
4. Glazachev S.N. Ecological culture of the teacher. M., 1998.
5. Yanitsky O.N. Ecological culture: essays on the interaction of science and practice. Moscow: Nauka, 2007.

Internet-based sources

1. Electronic libraries with access for RUDN students
2. www.ECOportal.ru- All-Russian ecological portal
3. www.ecology-portal.ru- ecological portal
4. <http://www.wri.org> - website of the World Natural Resources Institute
5. <http://www.mnr.gov.ru> - website of the Ministry of Natural Resources and Ecology of the Russian Federation
6. <http://www.unep.org> - site of the United Nations Environment Program
7. <http://www.epa.gov/epahome/places.htm> - site of the European Environmental Protection Agency
8. <http://www.ecoline.ru/books/> 14. <http://cci.glasnet.ru/library/> "Ecoline" - Moscow open ecological library.
9. <http://www.zem.km.ru/> "Earthlings" - Publication of materials on the problems of social development, human improvement, ecology, etc.
10. <http://biodiversity.ru/> "Center for Conservation". Monthly magazine.
11. <http://www.anriintern.com/ecology/> Ecology. Textbooks and popular science materials on ecology.
12. <http://www.greenpeace.ru/gpeace/> Greenpeace Russia - official page.

13. <http://resbigsys.narod.ru/> Research of large systems. - The basic model of the crisis of the Earth civilization. <http://www.pole.com.ru/> Electromagnetic fields and health - The main sources of EMF, protection from EMF. News, the impact of EMF on health.
14. Federal portal "Russian education" <http://www.edu.ru/>

8. Mid-Term Assessment and Evaluation Toolkit

Evaluation materials for students' intermediate certification in the course of «**Environmental Education**» are presented in Appendix 1 to this work programme.

*Assessment materials for the course are developed and executed in accordance with the requirements of the Regulations for the assessment and evaluation funds, approved by order of the rector dated 05.05.2016 No. 420, and include a list of competencies indicating the stages of their formation; description of indicators and criteria for assessing competencies at various stages of their formation, description of assessment scales; standard control tasks or other materials necessary to assess knowledge, skills and (or) experience of activity that characterize the stages of formation of competencies in the process of mastering the educational course; didactic materials that define the procedures for assessing knowledge, skills and (or) experience of activity that characterize the stages of competency formation).

Assessment and Evaluation Fund

ON THE COURSE

ENVIRONMENTAL CULTURE: GENESIS AND MODERN ISSUES

Direction 44.04.02 Psychological and pedagogical education

Programme:

Environmental Pedagogy

Qualification of the graduate – *Master*

Assessment and evaluation fund passport

Direction 44.04.02 “Psychological and pedagogical education”

Course: ENVIRONMENTAL CULTURE: GENESIS AND MODERN ISSUES

12.1. Assessment and grading system and characteristics of the assessment scale

Controlled competence code or part	Controlled course module	Forms of control					Module points
		Classroom work			Self-study	Exam	
		Test	Control work	Class work	Seminar report		
UC-5, 6 GC-4 SPC-2	1. Introduction to ecological culture.	X		10	10		20
UC-5, 6	2. The concept of sustainable development as the basis for the formation of modern ecological culture.	X		10	10		20
GC-4	3. Mechanisms and factors of ecological culture formation.	X		10	10		20
SPC-2	4. Formation of ecological culture.	X		10	10		20
	Exam		10	40	40	10	100

12.2 The maximum number of credits in the course is 3. At the same time, the following ratio is established between the number of points and the number of credits:

Points to credits ratio

Total points	Final assessment	Amount of credits
95-100	5	3
86 – 94	5 (B)	3
69-85	4 (C)	2
61-68	3+ (D)	1
51 – 60	3 (E)	1
31 – 50	2 (FX)	0
<30	2 (F)	0

Deciphering of grades is also accepted according to the specified document:

- **A: "Excellent"** - the theoretical content of the course has been fully mastered, the necessary practical skills for working with the material learned have been formed, all the educational tasks provided for by the training programme have been completed, the quality of their implementation was assessed by the number of points close to the

maximum.

- **B: "Very good"** - the theoretical content of the course is mastered completely, the necessary practical skills of working with the acquired material are basically formed, all the educational tasks provided for by the training programme are completed, the quality of most of them is assessed by the number of points close to the maximum.

- **C: "Good"** - the theoretical content of the course has been mastered completely, some practical skills of working with the mastered material are not sufficiently formed, all the educational tasks provided for by the training programme have been completed, the performance quality of none of them has not been assessed with a minimum number of points, some types of tasks have been completed with mistakes.

- **D: "Satisfactory"** - the theoretical content of the course is partially mastered but the gaps are not significant, the necessary practical skills to work with the acquired material are basically formed, most of the educational tasks provided for in the training programme have been completed, some of the completed tasks may contain errors.

- **E: "Mediocre"** - the theoretical content of the course is partially mastered, some practical skills have not been formed, many of the educational tasks provided for by the training programme have not been completed, or the quality of some of them is assessed by the number of points close to the minimum.

- **FX: "Conditionally unsatisfactory"** - the theoretical content of the course has been partially mastered, the necessary practical skills have not been formed, most of the educational tasks provided for by the training programme have not been completed, or the quality of their implementation was assessed by the number of points close to the minimum; it is possible to improve the quality of completing educational tasks with additional independent work on the course material.

- **F: "Certainly unsatisfactory"** - the theoretical content of the course has not been mastered, the necessary practical skills are not formed, all the completed study tasks contain gross errors, additional independent work on the course material will not lead to any significant improvement in the quality of the study tasks.

12.3 List of competencies and their formation stages

Nr.	Competence code and title	Previous courses	Subsequent courses
Universal competencies			
1	UC-5 Able to analyze and take into account the diversity of cultures in the process of intercultural interaction. UC-6 Able to identify and implement the priorities of their own activities and ways to improve it based on self-esteem.	-	Environmental Ethics Psychology of Environmental Behaviour Humanitarian Ecology Environmental Phylosopy Sustainable Development in the Context of Environmental Culture
General competencies			
2	GC-4 Able to create and implement the conditions and principles of spiritual	-	Environmental Ethics Psychology of Environmental Behaviour Humanitarian Ecology

	and moral education of students on the basis of basic national values.		Environmental Philosophy Sustainable Development in the Context of Environmental Culture
Specialized professional competencies (type of professional activity – research, control and expert, organizational and management)			
3	SPC-2 Able to carry out research support and educational and methodological support for the implementation of basic and additional, including professional programs.	-	Environmental Ethics Psychology of Environmental Behaviour Humanitarian Ecology Environmental Philosophy Sustainable Development in the Context of Environmental Culture

12.4. Typical control tasks or other materials necessary to assess knowledge, skills and (or) experience of activities, characterizing the formation stages of competencies in the process of mastering the educational course

Questions to prepare for certification

1. Introduction to the problem of ecological culture.
2. History of development and formation of ecological culture.
3. Theoretical foundations of ecological culture.
4. Biosphere from the standpoint of ecological culture.
5. Environmental dimension of sustainable development.
6. Global environmental challenges and environmental problems in socio-cultural, political and economic contexts.
7. International agreements in the field of environmental protection.
8. Ecological policy of the state: mechanisms and factors of ecological culture formation. Participation of youth in making environmentally significant decisions and methods for resolving environmental conflicts.
9. Formation of ecological culture of youth and priorities of Russian environmental policy. Ecological culture of business activity.
10. Regional and municipal programs of ecological education and enlightenment.

The assessment and evaluation of knowledge, skills and abilities is carried out by using the components of the WCF presented in paragraphs 12.1-12.3, 12.4 in accordance with the sequence of acquisition of competencies indicated in table 12.2.

The programme is compiled in accordance with the requirements of the ES HE RUDN / FGOS HE.

Developer:

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