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ФИО: Ястребов Олег Александрович
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**PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA**

Institute of Environmental Engineering

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Environmental Culture: Genesis and Modern Issues

course title

Recommended by the Didactic Council for the Education Field of:

44.04.02 Psychological and Pedagogical Education

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Environmental Pedagogy

higher education programme profile/specialisation title

Moscow, 2023

1. Course Aims and Objectives

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

2. Course in the Higher Education Programme Structure:

The course «**Environmental Culture: Genesis and Modern Issues**» refers to the compulsory disciplines module.

Table 1. Previous and subsequent courses aimed at building up competences

Nr.	Competence code and title	Previous courses	Subsequent courses
General competences			
1	GC-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 professional competences			
2	GPC-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 competences			
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 course is aimed at building up and enhancing the following competences:

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

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

General professional 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.

On completion of the Course the student:

Knows: theoretical basics in the field of environmental culture.

Can: 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.

Masters 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. Course workload and academic activities

Types of academic activities	Total hours	Semesters				
		1	2	3	4	5
Contact academic hours						
Including:						
<i>Lectures</i>	17	17				
<i>Seminars (workshops/tutorials)</i>	17	17				
<i>Lab works</i>	-					
<i>Self-study</i>	38	38				
Evaluation and assessment (exam; pass/fail grading)	36 exam	36				
Total course workload	hours	108	108			
	credits	3	3			

5. Course contents

Table 5.1 Course modules and contents

course modules	topics
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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. Resources recommended 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/GreenpeaceRussia> - 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. Assessment toolkit and grading system* for evaluation of students' competences level upon course completion

The assessment toolkit and the grading system* to evaluate the competences formation level (competences in part) upon the course study completion are specified in the Appendix to the course syllabus. * The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

ASSESSMENT TOOLKIT

for the course

Environmental Culture: Genesis and Modern Issues

course title

44.04.02 Psychological and Pedagogical Education

field of studies / speciality code and title

Environmental Pedagogy

higher education programme profile/specialisation title

Master

graduate's qualification (degree)

Passport to Assessment Toolkit for Course

Field of studies: 44.04.02 “Psychological and Pedagogical Education”

Course: ENVIRONMENTAL CULTURE: GENESIS AND MODERN ISSUES

12.1. Competences under evaluation and assessment tools

Competences under assessment	Course module under assessment	Tools to assess higher education programme mastering level					Points for module
		Classwork			Self-studies	Exam	
		Test	Control work	Class work	Seminar report		
GC-5, 6 GPC-4 SPC-2	1. Introduction to ecological culture.	X		10	10		20
GC-5, 6	2. The concept of sustainable development as the basis for the formation of modern ecological culture.	X		10	10		20
GPC-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.

Assessment & Grading System

Total points	Final assessment	Number 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

12.3 Previous and subsequent courses aimed at building up competences

Nr.	Competence code and title	Previous courses	Subsequent courses
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General competences			
1	GC-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 professional competences			
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Specialized professional competences			
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

12.4 Exam questions

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.

**Developer,
Head of the Higher Education
Program:**



C.Sc., Associate Professor
Environmental Engineering Institute
Foreign Languages Department

Y.L.Zakirova