**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

Humanitarian Ecology

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: is to introduce students to environmental culture and humanitarian methods in professional environmental activities.

Objectives:
- disclosure of contradictions between society and nature;
- study of the main ways of interaction between society and nature;
- analysis of the concept of sustainable development;
- acquaintance with V.I. Vernadsky's doctrine of the biosphere as methodological basis of Humanitarian Ecology;
- disclosure of philosophical, psychological and pedagogical components of Humanitarian Ecology;
- development of environmental culture of future specialists;
- providing knowledge of the moral and ethical potential of nature through technologies of axiological content.

2. Course in the Higher Education Programme Structure

The course «**Humanitarian Ecology»** refers to the optional disciplines.

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. **GC-6** Able to identify and implement the priorities of their own activities and ways to improve it based on self-esteem.	Environmental Culture Social Ecology	Environmental Ethics
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 Culture Social Ecology	Environmental Ethics
Specialized professional competences			
3	**SPC-2** Able to design and implement the educational process in the natural sciences under the programs of basic general, secondary general education and additional, including	Environmental Culture Social Ecology	Environmental Ethics

	vocational education.	

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 design and implement the educational process in the natural sciences under the programs of basic general, secondary general education and additional, including vocational education.

On completion of the Course the student:
Knows: the main ways of interaction between society and nature; the concept of sustainable development; V.I. Vernadsky's doctrine of the biosphere; philosophical, psychological and pedagogical components of Humanitarian Ecology; moral and ethical potential of nature.
Can: use humanitarian methods in professional environmental activities.
Master: the basics of theoretical knowledge on the Humanitarian Ecology; environmental culture.

4. Course Workload and Academic Activities
The course workload of «**Humanitarian Ecology**» is 4 credits.

Table 4.1. Course workload and academic activities

Types of academic activities		Total hours	Semesters			
			1	2	3	4
Contact academic hours						
Including:						
Lectures						
Seminars (workshops/tutorials)		12				12
Lab works						
Self-study		96				96
Evaluation and assessment (exam; pass/fail grading)		36 pass/fail grading				36 pass/fail grading
Total course workload	hours	144			144	144
	credits	4			4	4

5. Course contents
Table 5.1 Course modules and contents

course modules	topics

1. Fundamentals of Humanitarian Ecology.	The history of ideas about Humanitarian Ecology. The structure of Humanitarian Ecology in the context of global problems of mankind. Methods of Humanitarian Ecology. International conceptual solutions in the field of Humanitarian Ecology.
2. Humanitarian Ecology in the system of natural and human sciences.	"Russian cosmism" as a theoretical basis for Humanitarian Ecology. Environmental ethics. Ecological outlook. noospheric paradigm. Humanitarian aspects of interaction between society and nature. Philosophical problems of ecology and other life sciences. Modern trends and prospects for global processes and possible solutions to global problems of our time. Ecological aesthetics and its role in solving environmental problems.

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. 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
2. Kanke V.A. History, philosophy and methodology of natural sciences: textbook for masters. M.: Yurait Publishing House, 2019, 505 p.
3. Pavlov A.N. Fundamentals of ecological culture. St. Petersburg, Polytechnic, 2004.

Additional reading
1. Introduction to social ecology. - M, 1993. - part 1. - 237 p.; 1994. - part 2. - 255 p.
2. Vernadsky V.I. Biosphere and Noosphere. - M.: Nauka, 1989. – 258 p.
3. Girusov E.V. From ecological knowledge to ecological consciousness // Interaction of society and nature. - M.: Nauka, 1986. - P. 76.
4. Kavtaradze D.N. Bludny A.A. Fundamentals of ecological worldview as a task of public education. 1993. - p. 3-35.
5. Mamedov N.M. The concept of sustainable development and environmental education // Ecology and geography of teacher training problems. - M., 1995, pp 17-51.
6. Milashevich V.V. Humanitarian essence of greening // Greening. Problems and processes of modern development. - Vladivostok, 1988. - P. 137-145.
7. Moiseev N.N. Time to set national goals. Part 3 M.: Publishing House in MNEPU, 1997. - 256 p.
8. Moiseev N.N. Historical development and ecological education. - M., 1995. - 56 p.
9. Moiseev N.N. Ecology, morality and politics // Issues of Philosophy. - 1989 - No. 5. - P. 3-25.
10. Sikorskaya G.P., Shevtsov A..G. Philosophical and methodical fundamentals of ecological activity. Textbook for students. - Ekaterinburg: Publishing House of the State. Ped. Un., 1996. - 69 p.

Internet-based sources
Electronic libraries with access for RUDN students
Education and society [Electronic resource]: Scientific, informational–analytical journal for researchers and organizers of the education system. – URL: http://www.jeducation.ru:80 .

Educational issues [Electronic resource]: Scientific and educational journal Higher School of Economics. – URL: http://vo.hse.ru
Pedagogy [Electronic resource]: scientific and theoretical journal. – URL: http://pedagogika-rao.ru
Pedagogy [Electronic resource]: Scientific and theoretical journal of the Russian academy of education. – URL: http://pedagogika-rao.ru/ .
Public education [Electronic resource]: Social and pedagogical magazine. – URL: http://elibrary.ru/title_about.asp?id=7908 .

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

Humanitarian Ecology
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: <u>HUMANITARIAN ECOLOGY</u>

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. Fundamentals of Humanitarian Ecology.	10		15	15		30
GC-5, 6 GPC-4 SPC-2	2. Humanitarian Ecology in the system of natural and human sciences.	10		15	15		30
	Pass/fail grading	20	10	30	30	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
General competences			
1	**GC-5** Able to analyze and take into account the diversity of cultures in	Environmental Culture Social Ecology	Environmental Ethics

	the process of intercultural interaction. **GC-6** Able to identify and implement the priorities of their own activities and ways to improve it based on self-esteem.		
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 Culture Social Ecology	Environmental Ethics
Specialized professional competences			
3	**SPC-2** Able to design and implement the educational process in the natural sciences under the programs of basic general, secondary general education and additional, including vocational education.	Environmental Culture Social Ecology	Environmental Ethics

12.4 Exam questions

1. The history of development of ideas on Humanitarian Ecology.
2. The structure of Humanitarian Ecology in the context of global problems of mankind. Methods of Humanitarian Ecology.
3. International conceptual solutions in the field of Humanitarian Ecology.
4. "Russian cosmism" as a theoretical basis for Humanitarian Ecology.
5. Environmental ethics. Ecological outlook.
6. Noospheric paradigm.
7. Humanitarian aspects of interaction between society and nature.
8. Philosophical problems of ecology and other life sciences.
9. Modern trends and prospects for global processes and possible solutions to global problems of our time.
10. Ecological aesthetics and its role in solving environmental problems.

Developer,
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