Документ подписан простой электронной подписью

Информация о владельце:

ФИО: Ястребов Олег **Federal State** Autonomous Educational Institution of Higher Education "Peoples"

Должность: Ректор Eriendship University of Russia named after Patrice Lumumba"

Дата подписания: 14.07.2025 11:57:52

Уникальный программный ключ:

Faculty of Humanities and Social Sciences

ca953a0120d891083f939673078ef1a98@name of the main educational unit (MEU) – developer of the program)

Department of Ontology and Theory of Knowledge

(name of the basic educational unit (BEU) – developer of the program)

WORKING PROGRAM OF THE DISCIPLINE

History and philosophy of science

(name of discipline/module)

The discipline is mastered within the framework of the implementation of postgraduate programs in the following groups of scientific specialties:

1.5. Biological sciences

4.1. Agronomy, forestry and water management

4.2. Animal science and veterinary science

(code and name of the group of scientific specialties)

1. THE GOAL OF MASTERING THE DISCIPLINE

The purpose of mastering the discipline "History and Philosophy of Science" is to prepare postgraduate students for the candidate's exam in the history and philosophy of science. The preparation consists of two stages. The first stage is the study of the history of the branch of knowledge in which the postgraduate student (applicant) is conducting dissertation research. The second stage is the study of the philosophy of science, which includes two levels - mastering the general problems of the philosophy of science and studying the philosophical problems of the specific branch of scientific knowledge in which the dissertation research is being conducted.

2. REQUIREMENTS TO THE RESULTS OF MASTERING THE DISCIPLINE

As a result of mastering the discipline "History and Philosophy of Science", the postgraduate student must:

Know:

the main concepts and notions of the philosophy of science, the history of the development of scientific knowledge, the history of the formation and development of the scientific picture of the world; the main problems associated with the demarcation of science, ontological, epistemological, social and axiological aspects of the philosophy of science, various methods of scientific knowledge of the world.

Be able to:

use knowledge of the philosophy of science to evaluate and analyze various methodological, interdisciplinary, ethical, social, cultural trends, facts and phenomena. Analyze philosophical and scientific texts and highlight the semantic constructions contained in them, correctly and convincingly formulate the results of mental activity, work with scientific texts and the semantic constructions contained in them. Format text material, analysis results and theoretical conclusions into a scientific article.

Own:

culture of thinking, methods and techniques of logical analysis, oral and written presentation of basic philosophical and scientific knowledge, skills in analyzing philosophical and scientific texts, techniques for conducting discussions and polemics, skills in public speaking and written presentation of one's own point of view.

3. SCOPE OF THE DISCIPLINE AND TYPES OF STUDY WORK

The total workload of the "Foreign Language" discipline is 4 credit units (180 academic hours).

Type of academic work		Total, ac . h.	Semester 2
Contact work		68	68
including:			
Lectures (LC)		40	40
Laboratory work (LW)		-	-
Practical/seminar classes (SZ)		28	28
Independent work of students			
Control (exam)		40	40
Cananal complexity of the discipline	ak . h.	144	144
General complexity of the discipline	. unit	4	4

4. CONTENT OF THE DISCIPLINE

Name of the discipline section	Section Contents (Topics)	Type of academic work
	GENERAL PROBLEMS OF PHILOSOPHY OF SCIENCE	
Section 1.	Topic 1.1. Three aspects being sciences: science as a cognitive	OK
Subject and main	activity, as a social institution, as a special sphere of culture.	
concepts of	Modern philosophy sciences as a study of the general laws of	

modern	scientific knowledge in its historical development and changing		
philosophy of	socio-cultural context.		
science	Topic 1.2. Evolution of approaches to the analysis of science.	LK, SZ	
	Logical-epistemological approach to the study of science. The positivist tradition V philosophy sciences. Expanding the field of		
	philosophical problems in post-positivist philosophy of science.		
	Concepts TO. Popper, AND. Lakatos, T. Kuna, P. Feyerabend,		
	M. Polanyi.		
	Topic 1.3. Sociological and cultural approaches To research into	OK	
	the development of science. The problem of internalism and		
	externalism V understanding mechanisms of scientific activity.		
Section 2.	Topic 2.1. Traditionalist and technogenic types of civilization	OK	
Science in	development And their basic values. The value of science		
Culture modern	rationality.		
civilization	Topic 2.2. Features of scientific knowledge. Science And	OK	
	philosophy. Science And art. Science and everyday knowledge.		
	The role of science in modern education and personality		
	development. The functions of science in the life of society		
Chapter 2 The	(science as a worldview, as a productive And social force). Topic 3.1. Pre-science And science V in the proper sense of the	OK	
Chapter 3. The emergence of	word. Two strategies for generating knowledge: generalization	UK	
science and its	of practical experience and construction of theoretical models		
main stages her	that provide exit for framework existing historically established		
historical	forms of production And ordinary experience.		
evolution	Topic 3.2. The culture of the ancient polis and its formation first	OK	
	forms theoretical science. Ancient logic and mathematics.	911	
	Development logical normal scientific thinking and the		
	organization of science in medieval universities. The role of		
	Christian theology V change in contemplative positions scientist:		
	man is a creator with a small letter; manipulation with natural		
	objects – alchemy, astrology, magic. Western and eastern		
	medieval science.		
	Topic 3.3. Formation of experimental science in the new	LK, SZ	
	European culture. Formation of ideals of mathematized and		
	experimental knowledge: Oxford school, R. Bacon, W. Ockham.		
	Prerequisites for the emergence of experimental method And his		
	connections with the mathematical description of nature: G. Galileo, F. Bacon, R. Descartes. The ideological role of science		
	in the new European culture. Sociocultural prerequisites for the		
	emergence of the experimental method and its connection with		
	mathematical description nature.		
	Topic 3.4. Formation sciences as a professional activity. The	OK	
	emergence of disciplinary organized science. Technological		
	applications of science. Formation of technical sciences.		
	Formation social and humanities. Ideological foundations of		
	socio-historical research.		
Chapter 4. The	Topic 4.1. Scientific knowledge as a complex developing	OK	
structure of	system. Manifold types of scientific knowledge. Empirical and		
scientific	theoretical levels, criteria for their distinction. Features of the		
knowledge	empirical and theoretical language of science. The structure of		
	empirical knowledge. Experiment and observation. Random and		
	systematic observations. Application of natural objects V		

	functions instruments in systematic observation. Observation	
	data as a type of empirical knowledge. Empirical dependencies	
	And empirical facts. Fact formation procedures.	
	Problem theoretical fact loading.	
	Topic 4.2. Structure theoretical knowledge. Primary theoretical	SZ
	models And laws. Developed theory. Theoretical models as an	
	element of the internal organization of theory. Limitations of the	
	hypothetico-deductive concept of theoretical knowledge. The	
	role of constructive methods in deductive development theories.	
	Deployment Theories as a process of problem solving.	
	Paradigmatic examples of problem solving as part of the theory.	
	Problems genesis samples. Mathematization of the theoretical	
	knowledge. Types interpretation of the mathematical apparatus	
	of the theory.	
	Topic 4.3. Foundations of science. Structure of foundations.	LK, SZ
	Ideals And norms research, and their socio-cultural dimension.	
	The system of ideals and norms as a scheme of the method of	
	activity. Scientific picture of the world. Historical forms of the	
	scientific picture of the world. Functions of the scientific picture	
	of the world (picture of the world as ontology, as a form of	
	systematization knowledge, How research program). Operational	
	foundations of the scientific picture of the world. The	
	relationship of the ontological postulates of science to the	
	worldview dominants of culture. Philosophical grounds sciences.	
	The role of philosophical ideas and principles in justification	
	scientific knowledge. Philosophical ideas as a heuristic of	
	scientific research. Philosophical justification as a condition for	
	the inclusion of scientific knowledge in culture. Logic and	
	methodology of science. Methods of scientific knowledge And	
	their classification.	
Chapter 5. The	Topic 5.1. Historical variability of mechanisms for generating	OK
dynamics of	scientific knowledge. Interaction reasons sciences And	
science as a	experience as the initial stage of the formation of a new	
process of	discipline. The problem of classification. The feedback of	
generating new	empirical facts on the foundations of science. Formation of	
knowledge	primary theoretical models And laws. The role of analogies in	
	theoretical search. Procedures for substantiating theoretical	
	knowledge. The relationship between the logic of discovery and	
	the logic of justifications. Mechanisms development of scientific	
	concepts.	OV
	Topic 5.2. Formation of a developed scientific theory. Classical	OK
	and non-classical variants of theory formation. Genesis of	
	problem solving patterns. Problem situations V science.	
	Outgrowing private tasks into problems. Development of the foundations of science under the influence new theories.	
	Problem inclusion of new ones theoretical representations into	
	culture.	
Section 6.	Topic 6.1. Interaction of Traditions and the Emergence of New	OK
Scientific	Knowledge. Scientific Revolutions How perestroika reasons	OK
Traditions And	science. Problems typologies scientific revolutions.	
scientific	Intradisciplinary mechanisms of scientific revolutions.	
revolutions.	Interdisciplinary interactions and "paradigm grafting" as a factor	
10 volutions.	interesponding interactions and paradigm gratting as a factor	

Types of	in revelutionary transformations in saignee Cociocultural		
Types of scientific	in revolutionary transformations in science. Sociocultural		
	prerequisites for global scientific revolutions. Restructuring the	_	
rationality	foundations of science and changing the meanings of worldview		
	universals cultures. Prognostic the role of philosophical		
	knowledge. Philosophy as the generation of categorical		
	structures,		
	necessary For development new types of system objects.	117.07	
	Topic 6.2. Scientific revolutions How bifurcation points in the	LK, SZ	
	development of knowledge. Nonlinearity of knowledge growth.		
	The selective role of cultural traditions in choosing strategies for		
	scientific development. The problem of potential histories		
	sciences. Global revolutions And types of scientific rationality.		
	Historical change of types of scientific rationality: classical, non-		
	classical, post-non-classical science.	0.77	
Chapter 7.	Topic 7.1. Main characteristics of modern, post-non-classical	OK	
Features of the	science. Modern processes of differentiation and integration of		
modern stage of	sciences. Connection between disciplinary and problem-oriented		
development of	research. Mastering self-developing "synergetic" systems And		
science.	new strategies of scientific search. Role nonlinear dynamics and		
Prospects of	synergetics in the development of modern ideas about historical		
scientific and	developing systems. Global evolutionism as a synthesis of		
technical	evolutionary and systemic approaches. Global evolutionism And		
progress	modern scientific picture of the world. Convergence of the ideals		
	of natural science and social and humanitarian knowledge.		
	Topic 7.2. Comprehension connections social and intra-scientific	LK, SZ	
	values as a condition for the modern development of science.		
	Inclusion of social values in the process of choosing strategies		
	research activities. Expansion of the ethos of science. New		
	ethical problems of science at the end of the 20th century. The		
	problem humanitarian control V science and high technologies.		
	Ecological and socio-humanitarian expertise scientific and		
	technical projects. The crisis of the ideal of value-neutral		
	research and the problem of ideologized science. Environmental		
	ethics and its philosophical foundations. The philosophy of		
	Russian cosmism and the teaching of V. I. Vernadsky on the		
	biosphere, technosphere and noosphere. Problems of		
	environmental ethics V modern Western philosophy (B. Callicot		
	, O. Leopold, R. Attfield).		
	Topic 7.3. Post-non-classical science and the change in the	OK	
	worldview attitudes of the technogenic civilization. Scientism		
	and anti-scientism. Science and parascience. The search for a		
	new type of civilizational development and new functions of		
	science in culture. Scientific rationality And problem dialogue		
	cultures. Role sciences V overcoming modern global crises.		
Section 8.	Topic 8.1. Various approaches To definition of the social	OK	
Science as a	institution of science. Historical development of institutional		
social Institute	forms of scientific activity. Scientific communities and their		
	historical types (republic scientists 17th century; scientific		
	communities eras disciplinary organized science; formation of		
	interdisciplinary communities sciences XX century). Scientific		
	schools. Training of scientific personnel.		

	Topic 8.2. Historical development of broadcasting methods	OK		
	scientific knowledge (from handwritten editions to the modern			
	computer). Computerization of science and its social			
	consequences. Science and economics. Science and power.			
	Problem secrecy And closed nature of scientific research. The			
	problem of state regulation of science.			
MODERN PHILOSOPHICAL PROBLEMS AREAS SCIENTIFIC KNOWLEDGE				
Chapter 9.	Topic 9.1. Item philosophy biology and its evolution. The nature	LK, SZ		
Philosophical	of biological knowledge. The essence and specificity of	,		
problems of	philosophical and methodological problems of biology. Main			
biology and	stages transformation of ideas about the place and role of			
ecology	biology in the system of scientific knowledge. Evolution in			
	understanding subject biological science. Changes V strategies			
	research activities V biology. Role philosophical reflection in the			
	development of life sciences. Philosophy of biology in the study			
	of the structure biological knowledge, V studying nature,			
	features And specifics scientific knowledge of living objects and			
	systems, in the analysis of the means and methods of such			
	knowledge. Philosophy biology V assessment the cognitive and			
	social role of life sciences in modern society.			
	Topic 9.2. Biology V context philosophy and methodology of	OK		
	science in the 20th century. The problem of the descriptive and	311		
	explanatory nature of biological knowledge in the mirror of neo-			
	Kantian oppositions between ideographic and nomothetic			
	sciences (1920-1930s gg.). Biology through the prism of the			
	reductionist-oriented philosophy of science of logical empiricism			
	(1940-1970s gg.). Biology With dots from the point of view of			
	anti-reductionist methodological programs (1970-1990s). The			
	problem of "autonomous" status biology How science. The			
	problem of "biological reality". Multiplicity "images biology" in			
	modern scientific and biological and philosophical literature.			
	Topic 9.3. Essence alive And problem its origin. The concept of	LK, SZ		
	life in modern science and philosophy. Diversity approaches To	£11, 52		
	definition of the phenomenon of life. The relationship between			
	philosophical and natural science interpretations life. The main			
	stages of development of ideas about the essence alive And			
	problem origin of life. Philosophical analysis of the foundations			
	of research into the origin and essence of life.			
	Topic 9.4. The principle of development in biology. Basic stages	OK		
	formations ideas development in biology. The structure and	OIL		
	basic principles of evolutionary theory. The development of			
	evolutionary ideas: first, second And third evolutionary			
	syntheses. The problem of biological progress. The role of			
	biological theory evolution V the formation of the principles of			
	global evolutionism.			
	Topic 9.5. From biological evolutionary theory to global	OK		
	evolutionism. Biology and the formation of modern evolutionary	011		
	paintings peace. Evolutionary ethics as a study of population-			
	genetic mechanisms of altruism formation in wildlife. Adaptive			
	character And genetic determination of sociability . From			
	altruism to moral norms, from sociability — To human society.			
	The concepts of good and evil in an evolutionary-ethical			
	The concepts of good and evil in an evolutional y-current			

perspective. Evolutionary epistemology as an extension of	
evolutionary ideas to the study of cognition. Prerequisites and	
stages of formation evolutionary epistemology. Kant's a priori in	
light of the biological theory of evolution. Evolution of life as a	
process "knowledge". Problem truths V in the light of the	
evolutionary-epistemological perspective. Evolutionary-genetic	
origin aesthetic emotions. Higher aesthetics emotions at human	
How a consequence of evolution based on natural selection	
Categories arts V bioesthetic perspective.	
Topic 9.6. Problem systemic organization in biology.	OK
	OK
Organization And integrity of living systems. Evolution of ideas	
about organization and systematicity in biology (based on the	
works of A. A. Bogdanov, V. I. Vernadsky, L. von Bertalanffy,	
V. N. Beklemishev). The principle of systematicity in the sphere	
of biological knowledge How path implementation of a holistic	
approach to the object in the context of the diverse	
differentiation of modern knowledge about living objects.	
Topic 9.7. Problem determinism in biology. The place of the	OK
target approach in biological research. The main areas of	
discussion of the problem of determinism in biology: teleology,	
mechanical determinism, organic determinism, accidentalism,	
finalism. Determinism and indeterminism in the interpretation of	
processes life activity. Diversity of forms of determination in	
living systems and their interrelation. The essence and forms of	
biological teleology: the phenomenon of "expediency" of the	
structure and functioning of living systems, purposefulness How	
a fundamental feature of the basic life processes, functional	
descriptions And explanations in the structure of biological	
knowledge.	
knowledge. Topic 9.8. Impact biology on the formation of new norms,	OK
knowledge.	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms,	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science.	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution.	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution . Historical prerequisites formation of bioethics. Bioethics V	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in	OK
Rnowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in various cultural and confessional discourses. Historical and	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in	OK
Rnowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in various cultural and confessional discourses. Historical and	OK
Rnowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in various cultural and confessional discourses. Historical and theoretical prerequisites for the biological interpretation of power relations. Ethological and sociobiological grounds modern	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in various cultural and confessional discourses. Historical and theoretical prerequisites for the biological interpretation of power relations. Ethological and sociobiological grounds modern biopolitical concepts. The main patterns of sociable behavior in	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in various cultural and confessional discourses. Historical and theoretical prerequisites for the biological interpretation of power relations. Ethological and sociobiological grounds modern biopolitical concepts. The main patterns of sociable behavior in the world of living organisms and in human society. Problems of	OK
Rnowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in various cultural and confessional discourses. Historical and theoretical prerequisites for the biological interpretation of power relations. Ethological and sociobiological grounds modern biopolitical concepts. The main patterns of sociable behavior in the world of living organisms and in human society. Problems of power and power relations V biopolitical perspective. Social and	OK
knowledge. Topic 9.8. Impact biology on the formation of new norms, attitudes and orientations of culture. Philosophy of life in the new paradigm of culture. The impact of modern biological research on the formation of new ontological explanatory schemes, methodological and epistemological guidelines, value orientations and activity priorities in the cultural system. The need to create a new philosophy of nature that studies the patterns of functioning and interaction of various ontological explanatory schemes and models presented in modern science. The role of biology in the formation of general cultural cognitive models of integrity, development, systemicity, co-evolution. Historical prerequisites formation of bioethics. Bioethics V various cultural contexts. Main principles And rules of modern biomedical ethics. Social, ethical, legal and philosophical problems applications biological knowledge. The value of life in various cultural and confessional discourses. Historical and theoretical prerequisites for the biological interpretation of power relations. Ethological and sociobiological grounds modern biopolitical concepts. The main patterns of sociable behavior in the world of living organisms and in human society. Problems of	OK

Topic 9.9. The subject of ecophilosophy. Ecophilosophy as a	LK, SZ
field of philosophical knowledge, exploring philosophical	
problems of interaction of living organisms and systems with	
each other and their environment. Formation ecology V view	
integrated scientific discipline: from biological ecology to	
human ecology, social ecology, global ecology. Transformation	
ecological problems into the dominant ideological attitude of	
modern culture. Ecophilosophy How reflection over problems of	
the human environment, changes in attitudes towards human	
existence, transformation public mechanisms.	
Topic 9.10. Man and nature in the socio-cultural dimension.	OK
Main historical stages interactions society and nature. Genesis of	
environmental issues. Ecophilic and ecophobic motives	
mythological consciousness. Ancient ecological thought.	
Ecological views of the Middle Ages and the Renaissance.	
Ecological views eras Enlightenment. Ecological ideas of the	
New Time. Darwinism and ecology. The doctrine of the	
noosphere by V. I. Vernadsky. New ecological accents of the	
20th century: urban ecology, growth limits, sustainable	
development. Modern ideas about the need new world order as a	
1	
way to solve global problems of our time And provision	
transition to the strategy of sustainable development. Historical	
conditionality the emergence of social ecology. The main stages	
of development of social-ecological knowledge. The subject and	
tasks of social ecology, the structure socio-ecological knowledge	
and its relationship with other sciences. Specificity socio-	
ecological laws of social development, their relationship with	
traditional social laws. Social ecology as a theoretical basis	
overcoming ecological crisis.	
Topic 9.11. Ecological foundations of economic activity.	OK
Specifics of human economic activity in the process nature	
management, her main stages. Features of economic activity	
taking into account the prospect of finiteness of the planet's	
material resources. Main directions of transformation of the	
production and consumer spheres of society With purpose	
overcoming environmental challenges. Directions for changing	
the system of priorities And valuable landmarks people in	
conditions ecological crisis situations. Ways to overcome the	
finiteness of material resources at simultaneously progressive	
development society.	T. II. G.
Topic 9.12. Ecological imperatives of modern culture. Modern	LK, SZ
ecological crisis as a civilizational crisis: origins and trends.	
Directions changes biospheres V process of scientific and	
technological revolution. Principles of interaction between	
society and nature. Ways of formation ecological culture.	
Spiritual and historical foundations for overcoming the	
ecological crisis. Ethical prerequisites for solving environmental	
problems. Ecology and ecopolitics . Ecology and law. Ecology	
and economics. Concept sustainable development in the context	
of globalization. Ecology and philosophy of information	
civilization. Critical analysis of the main scenarios of eco-	
development humanity: anthropocentrism, technocentrism,	
, when operation, we misself it	

biocentrism, theocentrism, cosmocentrism, eccentricity. Change of dominant regulators cultures and the formation of new constitutive principles under the influence of ecological imperatives. A new philosophy of interaction between man and nature in the context of concepts sustainable development of	
Russia.	
Topic 9.13. Education, upbringing and enlightenment in light of environmental problems of humanity. Role education And education in the process of personality formation. Features of environmental education and training. The need to change the worldview paradigms How the most important condition for overcoming environmental hazards. Scientific foundations of environmental education. Features of the philosophical program "Paideia" in the context of an environmental crisis. Practical importance of environmental knowledge for preventing dangerous destructive processes V nature And society. Role mass media in the field of environmental education, upbringing and enlightenment of the population.	OK

5. LOGISTIC AND TECHNICAL SUPPORT OF DISCIPLINE

Audience type	Equipping the auditorium	Specialized educational/laboratory equipment, software and materials
Lecture	lecture- type classes, equipped with a set of	No
	specialized furniture; a board (screen) and	
	technical means of multimedia presentations	
Seminar	An auditorium for conducting seminar-type	No
	classes, group and individual consultations,	
	ongoing monitoring and midterm assessment,	
	equipped with a set of specialized furniture and	
	technical means for multimedia presentations	
For independent	A classroom for independent work of students	No
work of students	(can be used for conducting seminars and	
	consultations), equipped with a set of	
	specialized furniture and computers with	
	access to the EIS	

6. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF THE DISCIPLINE

Main literature:

Stepin V. S. Philosophy and Methodology of Science. Selected [Text/electronic resource] / V. S. Stepin. – Electronic text data. – M.: Academic project: Alma Mater, 2015. - 716 p. - (Philosophical technologies: Selected philosophical works). http://lib.rudn.ru/ProtectedView/Book/ViewBook/6753

Markhinin V. V. Lectures on the Philosophy of Science [Electronic resource]: Textbook / V. V. Markhinin . - M.: University Book, 2016. - 428 p. http://lib.rudn.ru/ProtectedView/Book/ViewBook/6068

Further reading:

History and Philosophy of Science (Philosophical Sciences) [Text/electronic resource]: Study guide for preparation for the candidate exam / Comp. S.A. Lokhov; Ed. V.M. Naidysh. - Electronic text data. - Moscow: RUDN University Press, 2013. - 95 p. - http://lib.rudn.ru/ProtectedView/Book/ViewBook/3932

Resources of the information and telecommunications network "Internet":

RUDN University Electronic Library System and third-party electronic library systems to which university students have access on the basis of concluded agreements:

- Electronic library system of RUDN: [site]. URL: http://lib.rudn.ru/MegaPro/Web
- Electronic library system "University Library Online": [website]. URL: http://www.biblioclub.ru/
- Educational platform "Urait": [website]. URL: https://urait.ru/
- Electronic Library System "Lan": [site]. URL: https://e.lanbook.com/
- Educational platform "Urait": [website]. URL: https://urait.ru/ Databases and search engines:
- Cambridge Dictionary: [website]. URL: https://dictionary.cambridge.org/ru/
- Oxford Learner's Dictionaries: [website]. URL: https://www.oxfordlearnersdictionaries.com/
- Search engine "Yandex": [site]. URL: https://yandex.ru/
- Search engine « Google »: [site]. URL : https://www.google.com/

Educational and methodological materials for independent work of students in mastering a discipline/module:

Methodological guidelines for preparation for the candidate examination in a foreign language.

EVALUATION MATERIALS AND **SCORE-RATING** ASSESSING THE LEVEL OF DEVELOPMENT OF COMPETENCES IN THE DISCIPLINE

Assessment materials and the point -rating system for assessing the mastery of the discipline are presented in the appendix to this work program of the discipline.

of

DEVELOPERS:

Head the Department of Ontology and Theory of Knowledge V. N. Belov

HEAD OF THE BUP

Head of the Department of Ontology and Theory of Knowledge V. N. Belov