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ФИО: Ястребов Олег Александрович
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**Federal State Autonomous Educational Institution of Higher Education
"Russian Peoples' Friendship University named after Patrice Lumumba"**

Academy of Engineering

(name of the main educational unit (POU) - developer of the EP HE)

COURSE SYLLABUS

PHILOSOPHY

(name of discipline/module)

Recommended by the Didactic Council for the Education Field of:

27.03.04 CONTROL IN TECHNICAL SYSTEMS

(code and name of the area of training/specialty)

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

DATA ENGINEERING AND SPACE SYSTEMS CONTROL

(name (profile/specialization) EP HE)

1. GOAL OF DISCIPLINE MASTERING

The discipline “Philosophy” is included in the bachelor’s program “Data Engineering and Space Systems Control” in the direction of 27.03.04 “Control in Technical Systems” and is studied in the 7th semester of the 4th year. The discipline is implemented by the Department of Ontology and Theory of Knowledge. The discipline consists of 3 sections and 9 topics and is aimed at studying the universal connections of the system of relations “the world and man,” including the history of culture and science, ethics and theory of aesthetics.

The goal of mastering the discipline is to form in students the basic principles of the scientific picture of the world, the methodology of scientific research practice and the problems of modern science and philosophy. As a result of the foundation of the discipline, students should develop a critical and objective understanding of modern trends and the significance of man in the historical perspective of world culture.

2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the discipline "Philosophy" is aimed at developing the following competencies (parts of competencies) in students:

Table 2.1. List of competencies formed in students when mastering the discipline (results of mastering the discipline)

Cipher	Competence	Indicators of Competency Achievement (within this discipline)
GC-1	Able to search, critically analyze and synthesize information, apply a systematic approach to solve assigned problems	GC -1.1 Analyzes the task, highlighting its basic components; GC -1.2 Identifies and ranks the information required to solve the task; GC -1.3 Searches for information to solve a given problem using various types of requests; GC -1.4 Works with scientific texts, distinguishes facts from opinions, interpretations, assessments and substantiates its conclusions using a philosophical conceptual apparatus; GC -1.5 Analyzes and contextually processes information to solve assigned problems with the formation of one’s own opinions and judgments; GC -1.6 Offers options for solving a problem, analyzes the possible consequences of their use; GC -1.7 Analyzes ways to solve problems of ideological, moral and personal nature based on the use of basic philosophical ideas and categories in their historical development and socio-cultural context;
GC -5	Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts	GC -5.1 Interprets the history of Russia in the context of world historical development; GC -5.2 Finds and uses information about the cultural characteristics and traditions of various social groups in social and professional communication; GC -5.3 During social and professional communication on a given topic, takes into account the historical heritage and sociocultural traditions of various social groups, ethnic groups and faiths, including world religions, philosophical and ethical teachings; GC -5.4 Collects information on a given topic, taking into account ethnic groups and confessions that are most widely represented at the points where the research is being conducted; GC -5.5 Justifies the features of project and team activities with representatives of other ethnic groups and (or) religions; GC -5.6 Adheres to the principles of non-discriminatory interaction in personal and mass communication in order to fulfill professional tasks and strengthen social integration;

Cipher	Competence	Indicators of Competency Achievement (within this discipline)
GC -6	Able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong education	GC -6.4 Finds and uses sources of additional information to increase the level of general and professional knowledge; GC -6.5 Analyzes the main opportunities and tools of lifelong education in relation to one's own interests and needs, taking into account conditions, means, personal capabilities, stages of career growth, time perspective for the development of activities and labor market requirements; GC -6.6 Defines self-development tasks, goals and priorities for professional growth; GC -6.7 Distributes tasks into long-, medium- and short-term ones with justification of relevance and analysis of resources for their implementation;

3. PLACE OF DISCIPLINE IN THE STRUCTURE OF HE EP

Discipline "Philosophy" refers to the mandatory part of block 1 "Disciplines (modules)" of the educational program of higher education.

As part of the educational program of higher education, students also master other disciplines and/or practices that contribute to achieving the planned results of mastering the discipline "Philosophy".

Table 3.1. List of components of EP HE that contribute to achieving the planned results of mastering the discipline

Cipher	Name of competency	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
GC-5	Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts	Research work / Scientific research work; Service-Based Learning; History of Russia; <i>Business Communications**</i> ; <i>Culture of scientific and business speech**</i> ; Fundamentals of Russian Statehood; History of Religions in Russia;	Undergraduate practice / Pre-graduate practice;
GC-1	Able to search, critically analyze and synthesize information, apply a systematic approach to solve assigned problems	History of Russia; Jurisprudence; Service-Based Learning; Research work / Scientific research work; Technological Training;	Technological Training; Undergraduate practice / Pre-graduate practice;
GC-6	Able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong education	Research work / Scientific research work; Technological Training; History of Russia; Physical Culture;	Technological Training; Undergraduate practice / Pre-graduate practice;

* - to be filled out in accordance with the competency matrix and SUP EP VO

** - elective disciplines/practices

4. SCOPE OF DISCIPLINE AND TYPES OF STUDY WORK

The total labor intensity of the “Philosophy” discipline is “2” credit units.

Table 4.1. Types of educational work by periods of mastering the educational program of higher education for full-time study.

Type of educational work	TOTAL,ac.ch.		Semester(s)
			7
<i>Contact work, ac.ch.</i>	36		36
Lectures (LC)	18		18
Laboratory work (LR)	0		0
Practical/seminar sessions (SZ)	18		18
<i>Independent work of students, ac.ch.</i>	36		36
<i>Control (exam/test with assessment), academic degree.</i>	0		0
Total labor intensity of the discipline	ac.ch.	72	72
	credit units	2	2

5. CONTENT OF DISCIPLINE

Table 5.1. Contents of the discipline (module) by type of academic work

Section number	Name of the discipline section	Contents of the section (topic)		Type of educational work*
Section 1	The nature of philosophical knowledge	1.1	Philosophy in the world of spiritual culture: the main subject of philosophy	OK
		1.2	Philosophy and pictures of the world	NW
		1.3	Philosophy and science	LC, NW
Section 2	Historical types of philosophy	2.1	Ancient philosophy and the formation of rational knowledge	OK
		2.2	Medieval philosophy, Renaissance and Modern philosophy	NW
		2.3	Modern philosophy: directions, issues and trends	LC, NW
Section 3	Problems of philosophy of science: man and society in the modern world	3.1	Philosophy and social and humanitarian knowledge: models of reality	LC, NW
		3.2	Modern problems of natural science and mathematics: philosophical foundations of science	OK
		3.3	Modern problems of philosophy and global scientific challenges	NW

* - to be filled out only for full-time education: LC – lectures; LR – laboratory work; SZ – practical/seminar classes.

6. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

Table 6.1. Material and technical support of the discipline

Audience type	Auditorium equipment	Specialized educational/laboratory equipment, software and materials for mastering the discipline (if necessary)
Lecture	An auditorium for conducting lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations.	
Seminar	An auditorium for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations.	
For independent work	An auditorium for independent work by students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS.	

* - the audience for independent work of students is MANDATORY!

7. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF DISCIPLINE

Main literature:

1. Kolesnikov A.S. History of philosophy: textbook and workshop for universities. – M.: Yurayt, 2023. – 392 p.
 2. Lebedev S.A. Philosophy of science: textbook for universities. – 2nd ed., revised. and additional – M.: Yurayt, 2024. – 296 p.
 3. Kocherov S.N., Sidorova L.P. Philosophy: textbook for universities. – 4th ed., revised. and additional – M.: Yurayt, 2024. – 244 p.
 4. Lokhov S.A. Fundamentals of philosophy: textbook. – M.: RUDN Publishing House, 2019. – 124 p.
 5. Mironov V.V. Philosophy with illustrations: textbook. – M.: RG-Press, 2020. – 432 p.
- Additional literature:*
- 1 person. The science. Civilization. – M.: Kanon+, 2004. – 816 p.
 2. Spirkin A.G. Philosophy in 2 parts. Part 1: textbook for universities. – M.: Yurayt, 2023. – 402 p.
 3. Aristotle. Metaphysics. Translations. Comments. Interpretations. – St. Petersburg: Aletheya, 2002. – 832 p.
 4. Bart R. Mythologies. – M.: Academic project, 2008. – 351 p.
 5. Bakhtiyarov K.I. Logic and psychogenetics from the point of view of computer science: A bestseller in the spirit of Lewis Carroll. – M.: Lenand, 2014. – 208 p.
 6. Beck U. Risk Society. On the way to another modernity. – M.: Progress-Tradition, 2000. – 384 p.
 7. Bell D. Social framework of the information society // New technocratic wave in the West. – M.: Progress, 1986. – P. 330-342.
 8. Berdyaev N.A. Russian idea. – St. Petersburg: Azbuka, 2016. – 320 p.
 9. Ivanov D.V. Virtualization of society. Version 2.0. – St. Petersburg: Petersburg Oriental Studies, 2002. – 224 p.
 10. Kant I. Works in German and Russian. T. 2: Critique of Pure Reason. – M.: Nauka, 2006. – 1081 p.
 11. Cognitive approach: scientific monograph / Rep. ed. Academician of the Russian Academy of Sciences V.A. Lecturer's – M.: "Canon+", 2012. – 464 p.
 12. Kuhn T. Structures of scientific revolutions. – M.: Ast, 2015. – 320 p.
 13. Lektorsky V.A. Philosophy, knowledge, culture. – M.: "Canon+", 2012. – 384 p.
 14. Luhmann N. Media communication (Society of Society. PartIII). – M.: Logos, 2005. – 280 p.
 15. Marcuse G. One-dimensional man. – M.: Ast, 2009. – 331 p.
 16. Matyushova M.P. History of culture from Antiquity to the Renaissance: textbook. – M.: Publishing house RUDN, 2017. – 119 p.
 17. Mechnikov I.I. Sketches about human nature. – St. Petersburg: Azbuka, 2016. – 320 p.
 18. Petkova S.M. Handbook of Aesthetics. – Rostov n/d, 2012. – 349 p.
 19. Plato. Apology of Socrates // Works in 4 vols. T. 1 - St. Petersburg: St. Petersburg University Publishing House, 2007.2006. – P. 83-116.
 20. Plato. Works in 4 volumes. T. 2. – St. Petersburg: St. Petersburg University Publishing House, 2007. – 626 p.
 21. Popper K. Assumptions and refutations. The growth of scientific knowledge. – M.: Ast, 2008. – 640 p.
 22. Russell B. Selected works. – Novosibirsk: Sib. Univ. publishing house, 2009. – 260 p.
 23. Rubinshtein S.L. Being and consciousness. – St. Petersburg: 2012. – 288 p.
 24. Skvortsov A.A. Ethics: textbook. – M.: Yurayt, 2011. – 306 p.
 25. StepinBC History and philosophy of science: textbook. – M.: Academic Project, 2011. – 423 p.
 26. Stepin V.S. Theoretical knowledge. – M.: Progress-Tradition, 2003. – 744 p.
 27. Strel'nik O.N. Fundamentals of philosophy. – M.: Yurayt, 2023. – 312 p.

28. Tetyuev L.I. Kant and modern practical philosophy. – Saratov: IC Nauka, 2018. – 56 p.
29. Tolstoy L.N. About life. – M.: Publishing House “E”, 2017. – 320 p.
30. Feyerabend P. Selected works on the methodology of science. – M.: Progress, 1986. – 542 p.
31. Habermas Yu. Moral consciousness and communicative action. – St. Petersburg: Nauka, 2001. – 382 p.
32. Chalmers D. The Conscious Mind: In Search of a Fundamental Theory. – M.: KD “Librocom”, 2013. – 512 p.
33. Schrödinger E. What is life? – M.: Ast, 2022. – 288 p.
34. Vvedensky A.I. Experience in constructing a theory of matter on the principles of critical philosophy. – M.:URSS, 2020. – 352 p.
35. Sokolova D.M. Philosophy of culture: a textbook for universities. – 2nd ed., add. – M.: Yurayt, 2024. – 106 p.

Resources of the information and telecommunications network “Internet”:

1. EBS of RUDN University and third-party EBS, to which university students have access based on concluded agreements

- Electronic library system of RUDN University - EBS RUDN University <http://lib.rudn.ru/MegaPro/Web>
- EBS “University Library Online” <http://www.biblioclub.ru>
- EBS Law <http://www.biblio-online.ru>
- EBS “Student Consultant” www.studentlibrary.ru
- EBS “Trinity Bridge”

2. Databases and search engines

- electronic fund of legal and regulatory technical documentation <http://docs.cntd.ru/>
- Yandex search engine <https://www.yandex.ru/>
- search system Google <https://www.google.ru/>
- abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

Educational and methodological materials for students’ independent work when mastering a discipline/module:*

1. A course of lectures on the discipline “Philosophy”.

* - all educational and methodological materials for students’ independent work are posted in accordance with the current procedure on the discipline page in TUIS!

8. ASSESSMENT MATERIALS AND POINT-RATING SYSTEM FOR ASSESSING THE LEVEL OF COMPETENCIES FOR A DISCIPLINE

Evaluation materials and point-rating system* for assessing the level of development of competencies (parts of competencies) based on the results of mastering the discipline “Philosophy” are presented in the Appendix to this Work Program of the discipline.

* - OM and BRS are formed on the basis of the requirements of the relevant local regulatory act of RUDN University.

DEVELOPER:

Senior Lecturer

Position,

Signature

Vladimirov Pavel
Anatolievich

Last name I.O.

HEAD OF DEPARTMENT:

Head of the department

Position

Signature

Belov Vladimir Nikolaevich

Last name I.O.

HEAD OF EP HE:

Professor

Position,

Signature

Razumny Yuri Nikolaevich

Last name I.O.