Ministry of Science and Higher Education of the Russian Federation

Federal State Autonomous Educational Institution of Higher Education
Perm National Research Polytechnic University

ACADEMIC COURSE WORKING PROGRAM

Academic course:	Philosophy
	(Name)
Form of education:	Full-time
	(Full-time /full-time - correspondence/correspondence)
Level of higher education:	Bachelor's program
	(Bachelor's program/specialist program/Master's program)
Workload in hours (in credits):	144 (4)
	(Hours (CU))
Training program (degree):	15.03.06 Mechatronics and Robotics
	(Code and denomination of degree)
Direction:	Mechatronics and Robotics
	(Title of curriculum)

Perm 2021

1. General Provisions

1.1. Goals and Objectives of the Course

The goals of the course are:
- to provide students with a conceptual understanding of philosophical underpinnings of different forms of worldview and the most important philosophical categories;
- to demonstrate to students the key conceptual issues related to philosophical thinking and its theoretical understanding;
- to contribute to skills development of cognitive abilities and interest in philosophical inquiry such as social, anthropological problems;
- to explore core ontological and epistemological problems such as being, mind, knowledge, language, man, society, history;
- to teach students how to apply critical reasoning skills in philosophical debates, necessary to assess and solve current problems of culture, science, technology;
- to form the ability to comprehend scientific and technical problems, taking into account humanitarian values.

1.2. Studied Objects of the Course

Being and its forms (matter, consciousness, social being, human being); phenomenon of worldview and its structure; historical forms of worldview, specific features of philosophical knowledge; the relationship of a person to the world, society and to himself; worldview principles and value systems; methodology of scientific activity.

1.3. Starting Conditions

Unstipulated

2. Planned Results of the Course Training

Competence	Indicator's Index	Planned Results of the Course Training (to know, to be able, to master)	Indicator of Attaining Competence which the planned results of training are correlated with	Means of Assessment
UC-1.	IA-1$_{uc-1.}$	**To know:** principles of collection, selection and generalization of information	**Knows** how to search, to make critical analysis and synthesis of information aimed at solution of the given professional tasks.	Complex task of grading test.
UC-1.	IA-2$_{uc-1.}$	**To be able:** to relate to dissimilar phenomena and systematize them within selected types of professional activities	**Is able to** apply systemic approach on the basis of search, critical analysis and synthesis of information aimed at solution of science-oriented problems of	Colloquium

			professional field	
UC-1.	IA-3$_{uc-1.}$	**To master the skills** in working with information sources, experience of scientific research, creation of scientific texts	**Masters the skills** of search, synthesis and critical analysis of information in his professional field; is a master of systemic approach aimed at solution of the given tasks.	Individual task
UC-5.	IA-1$_{uc-5.}$	**To know:** main categories of philosophy, laws of historical development, foundations of intercultural communication	**Knows** fundamentals of philosophic analysis and social-historical context of cultural diversity formation in society (ethno-cultural and confessional peculiarities), theoretical basis for cross-cultural communication ethics.	Practical task of grading test.
UC-5.	IA-2$_{uc-5.}$	**To be able:** to communicate with representatives of other nationalities and confessions respecting ethical and intercultural norms	**Is able to** take into consideration historical conditionality and ontological basis of cross-cultural diversity in Russian society (ethno-cultural and confessional peculiarities); to carry on dialogue with representatives of different cultures; to show cross-cultural tolerance as the ethical norm of behavior in social medium.	Topic discussion
UC-5.	IA-3$_{uc-5.}$	**To master** analysis skills of philosophical and historical facts, experience in assessing cultural phenomena	**Masters** the experience of cultural phenomena estimation, the skill of cross-cultural communication in professional sphere in terms of ethical norms, historical conditionality and ontological basis of ethno-cultural, confessional	Practical task of grading test.

3. Full time and forms of academic work

Form of academic work	Hours in all	Distribution in hours according to semesters

3

		Number of semester		
		1	2	
1. Holding classes (including results monitoring) in the form: 1.1.Contact classwork, including:	63		63	
- lectures (L)	27		27	
- laboratory work (LW)				
- practice, seminars and/or other seminar-type work (PW)	32		32	
- control of self-work (CSW)	4		4	
- test				
1.2. Students' self-work (SSW)	81		81	
2. Intermediate attestation				
Exam				
Grading test	0		0	
Test (Credit)				
Course Project (CP)				
Course Work (CW)				
Workload in hours	**144**		**144**	

4. Course outline

Name of the units with the course outline	Full time of classroom activity in hours according to the forms			Full time of extracurricular work in hours according to the forms
	L	LW	PW	SSW
2 semester				
The Philosophical Enterprise. Introduction to History of Philosophy. Phenomenon of worldview and its structure. Historical forms of worldview. Myth, religion, philosophy. Main lines of the Ancient Greece Philosophy. Pre-Socratic philosophy (Milesian school, Eleatic school, Heraclitus, Atomism) Philosophy of sophists and Socrates. Philosophy of Plato, Philosophy of Aristoteles. Philosophy of Stoics Main lines of the Philosophy of the Medieval Period. Patristics and Scholasticism (Saint Augustine, Saint Thomas Aquinas) The Renaissance. Early Modern Philosophy Mainstreams (The Philosophy of Francis Bacon. The Philosophy of Thomas Hobbes. The Philosophy of Rene Descartes. The Philosophy of Baruch de Spinoza The Philosophy of John Locke. The Philosophy of George Berkeley The philosophy of David Hume). Late modern philosophy. Philosophy of Immanuel Kant and G.W.F. Hegel. Philosophy of life (Arthur Schopenhauer, Friedrich Nietzsche). The Philosophy of Karl Marx. Psychoanalysis of Sigmund Freud Russian Philosophy (Slavophiles and Westernizers, cosmism, philosophy of Berdyaev). Existentialism (Søren Kierkegaard, Martin Heidegger, Jean-Paul Sartre). Postmodern Philosophy (Jean-Francois Lyotard, Michael	6	1	8	23

Foucault, Jean Baudrillard, Jacques Derrida).				
Ontology. Significance of Being. Substance. Materialistic philosophy. Idealistic philosophy. Dualistic philosophy. Matter. The philosophical definition of matter. The Motion of Matter. The space - time as an attribute of matter and its characteristics. Consciousness. The philosophical definition and essence of it. Mind-body problem. Progress and regress. Quality and Quantity. The Principle of Causality.				
The System of Categories in Philosophical approach. Understanding categories: Aristotle, I. Kant. Dialectics, its essence and laws. Progress and regress. The Principle of Causality. System and Structure. Essence and Phenomenon. Quality and Quantity. Negation and Continuity. Contradiction and Harmony.				
Epistemology, philosophy of Science. Truth theory. The problem of knowledge. Sensual level of human cognition and its forms. Rational (logical) level of human cognition and its forms. Philosophy of science. Philosophy of science (Auguste Comte, Herbert Spencer, Karl Popper, Imre Lakatos, Thomas Kuhn).Truth and falsehood. Criteria of truth. Scientific methods.	12	1	12	26
Social philosophy. Sociobiological problem. Society. Philosophical approaches to human nature. Problem of human nature in the history of philosophy. Problem of human nature in modern science. Philosophy of history. The stages of history. Social sphere of society, its structure and nature. Political sphere of society, its structure and nature. Formation of the state. The Problem of Personal Identity. Philosophy of language. Thinking and language. The new information society. Globalization.				
Philosophy of culture. Man and culture. Anthropology. Difference between man and animal. The Problem of Personal Identity. Philosophy of language. Thinking and language. Ethics. Morality. Issues of justice. Aesthetics. Beauty. Free will. Human freedom. Responsibility. Meaning of life. Responsibility for the future.	9	2	12	32
Total with regard to semester	27	4	32	81
Total with regard to the course	27	4	32	81

Topics of exemplary practical work

Sl. №	Topic of practical (seminar) work
1	Introduction to Philosophy. The fundamental problem of philosophy.
2	History of Ideas from early Greeks to The European Enlightenment
3	Philosophical Movements at the end of the 19th and beginning of the 20th century
4	Ontology. The forms of reality
5	The principles of monism and dualism apply to substance
6	The System of Categories in Dialectic

7	The major Categories in contemporary philosophy
8	Epistemology. Concepts of cognition
9	The mental process Sensation and perception. Thought, thinking, judgment. Language
10	Social philosophy. Philosophy of history
11	Civil society. The main values
12	Man and Culture
13	The Problem of Personal Identity
14	Engines and Ethics. Meaning of life

Topics of exemplary laboratory practice

Sl. №	Topic of laboratory work
	Unstipulated

5. Organizational and Pedagogical Conditions

5.1. Educational Technologies Used for Competences Formation

Holding lectures in the discipline is based on the active method of training in the process of which students are not passive but active participants of the lesson answering questions of the teacher. Teacher's questions are aimed at activating the process of learning material as well as at the development of logical thinking. The questions stimulating associative thinking and connecting new material with the previous one are identified by the teacher in advance.

Practical lessons are held by realization of the method based on active training: problem areas are determined, groups are formed. The following aims are pursued in the process of practical education: use of definite disciplines knowledge and creative methods in solving problems and decision-making; students' skill-building of teamwork, interpersonal communication and development of leadership skills; consolidation of the basic theoretical knowledge.

5.2. Students' Manual for the Course Study

Learning the course students are recommended to fulfill the following positions:

1. Learning of the discipline should be done systematically.

2. After learning one of the course unit with the help of the text-book or lecture notes it is recommended to reproduce in memory the basic terms, definitions, notions of the unit.

3. Special attention should be paid to the reports on practical studies, laboratory works and individual complex tasks for self-work.

4. The topic of questions studied individually is given by the teacher at the lectures. Also the teacher refers to the literary resources (first of all, to the newly published in periodicals) in order the students understand the problems touched on the lectures in detail.

6. List of Teaching Materials and Information Supply for Students' Self work in the Discipline

6.1. Paper-based courseware

Sl.№	Bibliographic entry (author, title, mode of publication, place, publishing house, year of publication, number of pages)	Number of copies in the library
	1. Basic literature	
1	Wagler, H. An introduction to philosophy: / H. Vagler. — Nizhnij Novgorod: NNGU, 2017. — 17 p.	EL
2	Hvostovickaya, T.T. Philosophy and Politics. M: Flinta, 2019. — 264 p.	EL
	2. Additional literature	
	2.1. Educational and scientific literature	
1.	Kroedel, T. Mental Causation: A Counterfactual Theory. Cambridge: Cambridge University Press, 2019. — 224 p. doi:10.1017/9781108762717	EL
2.	Bertrand, R. The Prospects of Industrial Civilization / R. Bertrand. — St. Petersburg: Lan', 2019. — 244 p.	EL
3.	Kant: aphorisms / compiler V. N. Bryushinkin. — Kaliningrad: Baltijskij federal'nyj universitet im. Immanuila Kanta, 2010. — 89 p.	EL
4.	Dennett, D. C. A History of Qualia. Topoi: An International Review of Philosophy, 39(1), 5, 2020,https://doi.org/10.1007/s11245-017-9508-2	EL
5.	Miller, F.D., Jr., Plato on the Rule of Reason. The Southern Journal of Philosophy, 43, 2005,50 – 83 pp. https://doi.org/10.1111/j.2041-6962.2005.tb01979.x	EL
6.	Guseynov, A.A. Philosophy: history and theory. Stud East Eur Thought 68, 2016, 107–117 pp. https://doi.org/10.1007/s11212-016-9251-z	EL
7.	Livengood, J. and Machery, E., The Folk Probably Don't Think What You Think They Think: Experiments on Causation by Absence. Midwest Studies In Philosophy, 31, 2007, 107-127 pp. https://doi.org/10.1111/j.1475-4975.2007.00150.x	EL
8.	Chisholm R. The Intentional Approach to Ontology. In: Cho K.K. (eds) Philosophy and Science in Phenomenological Perspective. Phaenomenologica (Series Founded by H.L. van Breda and Published Under the Auspices of the Husserl-Archives), vol 95, 1984,1-8 pp., Springer, Dordrecht. https://doi.org/10.1007/978-94-009-6113-5_1	EL
9.	Gasparyan D. What does solving the problem 'consciousness-body' mean? Neuroquantology, V.5, № 2, 2007, 258-261 pp.	EL
10.	Gasparyan D. What Can the Global Observer Know? Constructivist Foundations. Vol. 10, no. 2, 2015, 227-237 pp..	EL
11.	Brown R.K. Understanding industrial organizations: Theoretical perspectives in industrial sociology / R. K. Brown. - London; New York: Routledge, 1992.	1
12.	Davis J.B. The Theory of the Individual in Economics: Identity and value / J.B .Davis. - London; Ney York: Routledge, 2003.	1
13.	The Foundations of Analytic Philosophy / Ed. by P. A. French. Minneapolis : Univ. of Minnesota Press, 1981. 529 p.	1

	2.2. Standardized and Technical literature	
	unstipulated	
	3. Students' manual in mastering discipline	
1.	Korotkih, Z. A. Practice communication skills in English: Religion, Culture and Law: uchebnoe posobie / ZH. A. Korotkih, I. YU. Kocheshkova, SH. L.L... — Barnaul: AltGPU, 2018. — 179 p.	EL
2.	The Study of Social Problems. Seven Perspectives / Ed. by E. Rubington. - New York: Oxford University Press, 2003.	*1*
3.	Williams E.J. Presentations in English: Find your Voice as a Presenter / E.J. Williams. - Oxford: Macmillan Publ. Ltd, 2008.	*1*
4.	Sokolova N. V. How to Write a Research Paper: uchebno-metodicheskoe posobie / N. V. Sokolova. – Perm, PNRPU, 2017.	EL
	4. Teaching and learning materials for students' self work	
1.	Journal "Constructivist Foundations"	EL
2.	Journal "Studies in East European Thought"	EL
3.	Journal "Integrative Psychological and Behavioral Science"	EL
4.	Journal "Revista de Filosofia"	EL
5.	Journal "NeuroQuantology"	EL
6.	Journal "Middle East Journal of Scientific Research"	EL
7.	Journal "Sofia Philosophical Review"	EL
8.	Althusser, Louis Philosophy and Social Science: Introducing Bourdieu and Passeron Theory, Culture & Society. Dec2019, Vol. 36 Issue 7/8, p. 5-21.	EL
9.	Zaslawski, Nicolas Neurodialectics: A Proposal for Philosophy of Cognitive and Social Sciences. Constructivist Foundations. 2018, Vol. 14 Issue 1, p 42-55.	EL
10.	Political Parties in Advanced Industrial Democracies. - Oxford: Oxford Univ. Press, 2002.	*1*

6.2. Electronic Courseware

Kind of literature	Name of training tool	Reference to information resource	Accessibility of EBN (Internet/local net; authorized free access)
Students' manual in mastering discipline	Sokolova N. V. How to Write a Research Paper: uchebno-metodicheskoe posobie / N. V. Sokolova. – Perm, PNRPU, 2017.	https://lib.pstu/	local net; authorized free access
Basic literature	Wagler, H. An introduction to philosophy: uchebno-metodicheskoe posobie / H. Vagler. — Nizhnij Novgorod: NNGU, 2017. — 17 p.	https://e.lanbook.com/	local net; authorized free access

6.3. License and Free Distributed Software used in the Course Educational Process

Type of Software	Software branding
OS	Windows 10 (Azure Dev Tools for

	Teaching)
Office Applications	Adobe Acrobat Reader DC
Image processing software	Corel CorelDRAW Suite X4
General purpose application software	Mathematica Professional Version (license L3263-7820*)
General purpose application software	WinRAR (license №879261.1493674)
Management systems for projects, research, development, design, modeling and implementation	Autodesk AutoCAD 2019 Education Multi-seat Stand-alone

6.4. Modern Professional Data bases and Inquiry Systems Used in the Course Educational Process

Branding	Reference to information resource
Scopus database	https://www.scopus.com/
Web of Science Database	https://www.webofscience.com/
Scientific electronic library database (eLIBRARY.RU)	https://elibrary.ru/
Scientific Library of the Perm National Research Polytechnic University	https://lib.pstu/
Lan Electronic Library System	https://e.lanbook.com/
Electronic library system IPRbooks	https://www.iprbookshop.ru/
Information resources of the Network ConsultantPlus	https://www.consultant.ru/
Company database EBSCO	https://www.ebsco.com/

7. Logistics of the Course Educational Process

Type of classes	Name of the necessary basic equipment	Number of units
lecture	projector	1
lecture	notebook	1
practice	notebook	1

8. Fund of the Course Evaluating Tools

Described in a separate document