PHILOSOPHY

COURSE SYLLABUS

Code and name of specialty	121 – Software engineering	Institute	Faculty of Computer Science and Software Engineering
Program name	Software engineering	Department	Department of Software Engineering and Management Information Technologies
Type of program	Educational and Professional	Language of instruction	English / Ukrainian

LECTURER

Olga Horodyska, _olha.horodyska@khpi.edu.ua_

Candidate of Philosophical Sciences (PhD), Associate Professor, Associate Professor of Philosophy department (NTU "KhPI"). Work experience – 22 years. Authored over 60 scientific, popular scientific and educational publications. Leading lecture on the course "Philosophy" (Ukrainian/English)

GENERAL DESCRIPTION OF THE COURSE

Summary	The course involves students gaining knowledge about the system of philosophical knowledge, which are methodological tools for analysing natural, technical and humanitarian theoretical and practical problems, skills to justify their worldview and social position and independently analyse facts, phenomena and processes in the system "human-world"; formation of future specialists with high moral qualities and skills of behaviour, which are based on universal values, self-awareness and a sense of responsibility for the future of Ukraine, as well as acquaintance with the essence, regularities and trends of modern civilization.
Course objectives	Formation of students' in-depth worldview and theoretical knowledge of philosophy, the development of abstract and critical thinking, mastering the scientific and philosophical categorical apparatus, as well as the development of skills of analysis and evaluation of human activities and events in the world
Types of classes and control	Lectures, workshops, consultations. The course ends with a final exam
Term	8

Student workload (credits) / Type of course	3 / Mandatory	Lectures (hours)	10	Workshops (hours)	10	Self-study (hours)	70

Program competences	GC01 Ability to abstract thinking, analysis and synthesis. GC03 Ability to communicate in the state language both orally and in written form. GC05 Ability to learn and master modern knowledge. C06 Ability to search, process and analyze information from various sources. GC08 Ability to act on ethical considerations.

GC10 The ability to act socially responsibly and consciously.

GC11 The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.

GC12 Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies, to use different types and forms of physical activity for active recreation and a healthy lifestyle.

PC22 Ability to accumulate, process and systematize professional knowledge on the creation and maintenance of software and recognition of the importance of lifelong learning.

PC26 Ability to algorithmic and logical thinking.

Learning outcomes	Teaching and learning methods	Forms of assessment (continuous assessment CAS, final assessment FAS)
PO1. Analyze, purposefully search for and select the necessary information and reference resources and knowledge to solve professional problems, taking into account modern advances in science and technology.	Lectures with presentations, discussions, practical classes (seminars, workshops), individual work (abstract, essay, participation in conferences and specialized seminars, work with original works on philosophy).	Assessment of knowledge in seminars (CAS), assessment of written works, tests (CAS), checking lecture notes (CAS), assessment of individual assignments (CAS), exam (FAS)
PO2. Know the code of professional ethics, understand the social significance and cultural aspects of software engineering and adhere to them in professional activities.	Lectures with presentations, discussions, practical classes (seminars, workshops), individual work (abstract, essay, participation in conferences and specialized seminars, work with original works on philosophy).	Assessment of knowledge in seminars (CAS), assessment of written works, tests (CAS), checking lecture notes (CAS), assessment of individual assignments (CAS), exam (FAS)
PO25. Apply the principles of moral, cultural, scientific values and increase the achievements of society, use different types and forms of physical activity to lead a healthy lifestyle and professional activities in the field of information technology.	Lectures with presentations, discussions, practical classes (seminars, workshops), individual work (abstract, essay, participation in conferences and specialized seminars, work with original works on philosophy).	Assessment of knowledge in seminars (CAS), assessment of written works, tests (CAS), checking lecture notes (CAS), assessment of individual assignments (CAS), exam (FAS)

ASSESSMENT AND GRADING

Ranges of points corresponding to grades	Total score (points) for all types of learning activities	ECTS grading scale	The national grading scale	Allocation of grade points	100% Final assessment as a result of Final exam (40%) and Continuous assessment (60%).
	90-100	A	excellent		
	82-89	B	good		
	74-81	C	good		
	64-73	D	satisfactory		
	60-63	E	satisfactory		

35-59	FX	Unsatisfactory (with the exam retake option)
0-34	F	Unsatisfactory (with mandatory repetition of the course)

Course policy	Students are expected to attend classes regularly, to get to class on time and stay for the duration of the class. In the case of absence, students will be required to submit all assignments to make up for the missed classes. Students are also expected to come to class having read all the required material and being ready to productively participate in the class discussions. Written assignments should be submitted before the specified deadlines.

COURSE STRUCTURE AND CONTENT

Lecture 1	Philosophy knowledge peculiarities and the problem of its appearance	Workshop 1	Philosophy knowledge peculiarities and the problem of its appearance	Self-study	Number as the origin in the philosophy of Pythagoras
Lecture 2	The classical and Hellenistic periods of ancient philosophy	Workshop 2	The classical and Hellenistic periods of ancient philosophy		Neo-Platonism as the beginning of the Medieval philosophy
Lecture 3	Medieval and Renaissance philosophy	Workshop 3	Medieval and Renaissance philosophy		The empirical knowledge in the Middle ages (Robert Grosseteste and Roger Bacon)
Lecture 4	West European and domestic Early Modern Time philosophy of 17th-18th cc.	Workshop 4	West European and domestic Early Modern Time philosophy of 17th-18th cc.		Features of mechanistic methodology in the humanities and natural sciences. The doctrine of nature. Epistemology. Atheism
Lecture 5	Classical German philosophy.	Workshop 5	Classical German philosophy.		J. Fichte's and F. Schelling's philosophy views
Lecture 6	Non-classical philosophy of 19th-20th cc.	Workshop 6	Non-classical philosophy of 19th-20th cc.		Frankfurt School philosophy
Lecture 7-8	Contemporary philosophy.	Workshop 7-8	Contemporary philosophy.		Genesis of the post-industrial society concept and the idea of the information society (J. Bell, R. Aron, others)

RECOMMENDED READING

Compulsory

1. Biletsky, I., Malyshenko, A. (2010). Philosophy: Educational book. Kharkiv.
2. (2019). Introduction to Philosophy: Philosophy of Mind. Multiple Contributors. Rebus Community.
3. Муратова, 3. Г. Королев. (2005). Welcome to the World of Philosophy.
4. Ondich Jody. (2018). Words of Wisdom: Intro to Philosophy. Lake Superior College, Duluth, Minnesota.
5. Ott Walter. (2013). Modern Philosophy. University of Virginia, BCcampus.
6. Payne Russ W. (2015). An Introduction to Philosophy. BCcampus.
7. Spirkin Alexander. (1990). Fundamentals of philosophy. Moskva
(1959). Essays in philosophy. From David Hume to Bertrand Russell. Edited and with notes by Houston Peterson. New York.
8. Wilber Ken. (1993). The spectrum of consciousness. Wheaton, Adyar, Madras.

Recommended

1. Владленова, І. В.; Годзь, Н. Б.; Городиська, О. М., Городиська, О. М., Дольська, О. О. (Ред.). (2018). Вступ до філософії. Харків: НТУ «ХПІ».
2. Реале, Дж., Антисери, Д. (2001). Западная философия от истоков до наших дней. Т. 1- 4. Москва.
3. Петрушенка, В. Л. (Ред.) (2020). Філософія: терміни і поняття. Львів: «Новий Світ-2000».
4. Dimmock Mark, Fisher Andrew. (2017). Ethics for A-Level. Torquay Boys' Grammar School, University of Nottingham.
5. Kormelink Joost. (2019). Groot. Responsible Innovation: Ethics, Safety and Technology. TU Delft. Johnson Jeffery L. Inferring and Explaining. Portland State University.
6. Van Cleave Matthew. (2016). Introduction to Logical and Critical Thinking. Lansing Community College.
7. George Berkeley, John Locke. (1987). A letter Concerning Toleration. An Essay Concerning Human Understanding. The principles of Human Knowledge. An Enquiry Concerning Human Understanding. David Hume. Chicago, London, Toronto, Geneva, Sydney, Tokyo, Manila.
8. Augustine. (1987). The Confessions. The City of God. On Christian Doctrine. Chicago, London, Toronto, Geneva, Sydney, Tokyo, Manila.
9. Nietzsche. (1997). Thus spoke Zarathustra. Hertfordshire.
10. Nietzsche. (2007). Twilight of the idols. Hertfordshire.
11. Plato. (1987). The Dialogues of Plato. Chicago, London, Toronto, Geneva, Sydney, Tokyo, Manila.
12. Spinoza. (2001). Ethics. Hertfordshire.

ACADEMIC INTEGRITY

Students are expected to adhere to the Code of Ethics of Academic Relations and Integrity of NTU "KhPI".

The content of this syllabus is consistent with the course program.