Ministry of Education and Science of Ukraine Sumy National Agrarian University Faculty of Law Department of Justice and Philosophy

Syllabus of the educational component

OK 1. PHILOSOPHY OF SCIENCE (mandatory)

Specialty	D3 Management
Educational program	Management
HE level	doctor of philosophy the third (educational and scientific) level of higher education

Anzhelika Candidate Shevel. Philosophical Sciences, Associate Professor Creator_ prot. from 5 . 0 6 2025 No 11 Considered, reviewed and approved on the meeting of the department: Justice and Philosophy Yurii The head of KOTVIAKOVSKYI department: Погоджено: Guarantor of the educational program (name) (sign) Svitlana LUKASH Dean of the Faculty (name) A review of the work program has been provided (sign) A review of the work program has been provided Methodologist of the Department of Educational Quality, licensing and accreditation Decey (Svilano Voteleuces) (name) (sign) 2025 Registered in the electronic database: date: 25.04

Information on viewing the work program (syllabus):

Academic year in which the changes are made	The number of the annex to the work program with a					
	description of the changes	Date and number of the protocol of the meeting of the department	Head of department	Guarantor of EP		
				University of the last of the		

1. GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT

I. GI	NERAL INFORMAT	Philosophy of scie Faculty of Law, L	ence	stice and Philose	ophy			
-		Faculty of Law, L	epartment of 50	Interest Interest	- Parity			
,	Faculty/Department	mandatory	nandatory					
3	COUNTY OF WAR	THE CONTRACTOR OF THE CONTRACT						
4.	(programs) of which the OC is a component (to be filled in for	Scientific and educational program «Management». The third						
5.	Program/Specialty	Scientific and educational programmes (educational and scientific) level of higher education. Level of higher education: doctor of philosophy. Specialty: D3 Management						
6.	Semester and studying duration	1 semester, 10 w	eeks;					
7.	ECTS credits number	3	Directed study		Self-directed study			
8.	Total workload and		THE PERSON NAMED IN COLUMN		Seri directed study			
0-	time allotment	Lectures	Seminars	Labs				
	Language of instruction	10	20		60			
9.	Lecturer/Leader of educational component		English Conditions of Philosophical Science					
10	ECTS credits number	Associate Profe	Shevel Anzhelika Oleksandrivna, Candidate of Philosophical Sciences, Associate Professor of the Department of Justice and Philosophy					
11	Contacts	Consultations inna.sokhan@s	man edu na	every tuesday				
12	Educational component description	basic knowled scientific kn philosophical	Philosophy of science is designed to provide graduate students with basic knowledge on organizing research work using general methods of scientific knowledge and applying formal-logical laws and philosophical principles in processing, understanding, and generalizing the results of scientific research.					
13	Educational component aim	The purpose of the educational component: to form in graduate students general ideas about the history of the development of a specific field of science and the philosophy of scientific knowledge in general, about the methodology of scientific creativity, about the main provisions that characterize research work as qualified scientific research in a particular						
14	Prerequisites for educational component studying connection with other educational components of EP	The educational component is the basis for further scientific creativity in all branches of science.						

15.	Policy of academic integrity	According to the Code of Academic Integrity of the Sumy NAU, academic integrity is a set of principles, rules of behavior of participants in the educational process, aimed at forming an independent and responsible personality, capable of solving tasks in accordance with the educational level in compliance with the norms of law and social morality. Observance of academic integrity by students of higher education involves independent performance of educational tasks, tasks of current and final control, learning results. It is expected that students of higher education will adhere to the principles of academic integrity, being aware of the consequences of its principles of academic integrity, being aware of the consequences of the Sumy violation, which is determined by the regulatory documents of the Sumy National Agrarian University, in particular the Code of Academic Integrity, the Regulations on the Prevention and Detection of Academic Plagiarism at the Sumy NAU (a full list of regulatory documents is
		posted on the university's website. https://snau.edu.ua/viddil-zabezpechennya-yakosti- osviti/zabezpechennya-yakosti-osviti/akademichna-dobrochesnist/). osviti/zabezpechennya-yakosti-osviti/akademichna-dobrochesnist/). For violation of academic integrity, students of higher education may be held to the following academic responsibility: - repeated assessment (test, exam, credit, etc.): - repeated completion of the training course; - warning; - issuing a reprimand; - expulsion from the university, (Part 5 of Article 48 of the draft Law of Ukraine "On Education"); - arrest or restriction of liberty, or deprivation of liberty, with deprivation of the right to hold certain positions or engage in certain activities with a fine.
17.	Keywords:	a fine. life, epistemology, ethics, ideal, innovation, methodology of science, morality, science, scientific knowledge, scientific cognition, scientific and technological progress, professional code of honor of a scientist freedom, sociology of science, worldview, artificial intelligence, values

2. LEARNING OUTCOMES UNDER THE EDUCATIONAL COMPONENT AND

Learning outcomes for EC (MLOs):	Program learning outcome	omes, PLOs (specify the number numbering given in EP)	How is assessed
On successful component, the educational component, the student will be able	PLO 5 To deeply understand the general principles and methods of management sciences, as well as the methodology of scientific research, to apply them in one's own research in the field of management and in teaching practice.	PLO 9 Demonstrate a systematic scientific worldview, rationally understand the challenges facing science in the context of socio-economic and environmental problems of our time (ethical dilemmas, values, global social transformations)publications.	
MLOs 1. Know the history of the formation and development of science as a socially significant phenomenon, the basic concepts, principles and categories of scientific knowledge, the philosophical and worldview foundations that guided scientists in creating their innovative theories	×	*	Report, discussion, survey, group work, discussion. Conducting modular control and certificatio n control
MLOs 2. Be able to defend one's scientific position based on the theoretical and methodological basis of fundamental sciences	×	×	Preparation of multimedia presentations, essays, abstracts
MLOs 3. Be able to analyze the most important theoretical problems of modern science.		X	Debate, philosophic al quiz brain-ring, preparation of multimedia presentatio ns, essays abstracts
MLOs 4. Be able to link the development of science with the development of the spiritual and creative potential of humanity		X	Project presentatio n, round table discussion

aimed at the formation and practical use			
MLOs 5. Apply acquired knowledge in scientific activities, apply practical skills in analyzing a particular method of scientific research	x	×	Discussion with elements oral presentation of one own position.

3. CONTENT OF THE EDUCATIONAL COMPONENT (CURRICULUM PROGRAM)

Topic. List of issues to be considered within the	Distribution within time bud	Learning resources	
topic	Class work	Individual work	See Louis

Topic 1. Philosophy of science as a branch of philosophical knowledge Plan	2	4	15	1, 2 4, 8, 13, 16, 20
1. Subject area of philosophy of science. Phenomenon of science in the structure of philosophy of science. 2. Historical types of worldview. 3. The relationship between philosophy and science, common and distinctive features of philosophy and science. 4. Historical types of the relationship between philosophy and science. 5. Phenomenon of science in the structure of philosophy of science. 6. Epistemology. Methodology of science. 7. Sociology of science Specificity of philosophical problems of science.				
Topic 2. The phenomenon of science. The main forms of existence of science. Plan 1. The genesis of scientific knowledge,				1, 2 4, 8, 9, 11, 12, 16, 20
classical, non-classical, post-non-classical science. 2. Science as a specific type of knowledge, attributive characteristics of scientific knowledge. 3. Science as a cognitive activity. 4. Science as a social institution. The systemic nature of science. 5. The main functions of science.	2	4	15	
Topic 3. Structure and methods of scientific knowledge Plan	2	4	15	1-13
1. Levels of scientific knowledge 2. Structure of empirical knowledge 3. Methods of empirical research: scientific observation, comparison, measurement, experiment 4. The relationship between empiricism and theory. 5. Methods of theoretical knowledge: idealization, formalization, mathematical modeling. 6. Structure of scientific theory. Metatheoretical level of scientific knowledge. 7. Scientific picture of the world, ideals and norms of scientific research and philosophical foundations of science.				1 2 4 6 7 8 13
Topic 4. Theory and practice of science as a social institution. Ethics of science. Plan	2	2	15	1, 2, 4, 6, 7, 8, 13

Science and morality. Ethics and deontology, professional code of honor of a scientist. Main topics of ethical discussion of scientific and technical activity (goals of science, means of scientific activity, consequences of scientific activity, meaning of scientific activity). Scientific knowledge: freedom and control. Ethical issues of special sciences. The influence of science on the formulation of new ethical problems. Scientific and technical progress and its moral problems.				
Topic 5. Theories of the origin and development of life. Plan 1. Specificity of philosophical and methodological problems of biology. 2. Reductionism vitalism in the history of biology. The essence of living things Scientific concepts of the origin of life. 3. The idea of development in biology (transformism, saltationism, evolutionism). 4. Global problems of humanity and, ways to solve them		2	15	2, 11, 15, 19, 23, 24
Topic 6. The phenomenon of innovation and its research. Plan 1. The phenomenon of innovation and its research. 2. Methodological individualism. 3. The social nature of innovation. 1. 4 Motivation and personality.	2	4	15	5, 8, 9, 13, 15, 20, 21, 22, 23
Total	10	20	60	

4.TEACHING AND LEARNING METHODS

MLO	Teaching methods (work to be carried out by the teacher during classroom classes, consultations)	Teaching methods (what types of educational activities should the student perform independently)
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MLOs 1. Know the history of the formation and development of science as a socially significant phenomenon, the basic concepts, principles and categories of scientific knowledge; the philosophical and worldview foundations that guided scientists in creating their innovative theories	multimedia presentations on	- preparation of materials for a report, discussion, debate; - preparation for a survey, testing (multiple choice test)
MLOs 2. Be able to defend one's scientific position based on the theoretical and methodological basis of fundamental sciences	- conducting lectures with multimedia presentations for each topic; - moderating discussions based on the results of reports; - conducting surveys, testing (multiple choice test) - consultations; - checking multimedia presentations, essays, abstracts;	
MLOs 3. Be able to analyze the most important theoretical problems of modern science	conducting lectures with multimedia presentations for each topic; moderating discussions based on the results of the reports; conducting surveys; organizing debates, preparing philosophical quizzes, brain-rings	for the report, - preparation for a philosophical quiz, an intellectual game "brain ring" - preparation for a survey, testing (multiple choice test)
MLOs 4. Be able to link the development of science with the development of the spiritual and creative potential of humanity, aimed at the formation and practical use	reports; - conducting surveys, testing (multiple choice test) - consultations;	survey, testing (multiple choice test)
MLOs 5. Apply acquired knowledge in scientific activities, apply practical skills in analyzing a particular method of scientific research	with multimedia	for reports, discussions,

5. EVALUATION BY THE EDUCATIONAL COMPONENT

5.1.1 To assess the expected learning outcomes, it is provided:

Nº	Methods of summative assessment	Points / Weight in The date the overall compilation assessment		of
1_	Practical task for topic 1 Philosophy of science as branch of philosophical knowledge. Report	a 10 points /10%	Up to 4 weeks	

2.	Practical task for topic 2 The phenomenon of science. The main forms of existence of science. Discussion		Up to 5 weeks
3.	Practical task for topic 3 Structure and methods of scientific knowledge. Essay		Up to 6 weeks
4.	Testing on the topics covered (multiple choice test)	10 points /10%	Up to 8 weeks
5.	Practical task for topic 4 Theory and practice of science as a social institution. Ethics of science Philosophical discussion.	10 points /10%	Up to 9 weeks
S.	Practical task for topic 5 Theories of the origin and development of life. Intellectual game "Brain Ring"	10 points /10%	Up to 10 weeks
7.	Practical task for topic 6 The phenomenon of innovation and its research.	10 points /10%	Up to 10 weeks
8	Exam	30 points /30%	After 10 weeks
	Total	100%	

5.1.2 Evaluation criteria

Component -	Unsatisfactory	Satisfactory	Good	Excellent
Practical task for topic 1 Philosophy of science as a branch of philosophic al knowledge. Report	O points The graduate student did not prepare a report, did not participate in the discussion	6 points The graduate student did not disclose the topic of the report, did not argue his position, did not answer additional questions, and did not show activity during the discussion	points The postgraduate student partially covered the topic, did not sufficiently convincingly argue his position, did not answer some additional questions, participated in discussions	9-10 points The postgraduate student fully disclosed the topic of the report, convincingly argued his position, answered additional questions, and actively participated in the discussions.
Practical task for topic 2 The phenomeno n of science. The main forms of existence of science. Discussion	0 points The graduate student did not participate in the discussion.	6 points The graduate student took a passive part in the discussion	points The graduate student participated in the discussion in the form of individual remarks and comments	9-10 points The postgraduate student actively participated in the discussion, independently formulated and expressed opinions on the topic
Practical task for topic 3 Structure and	0 points The graduate student did not prepare an essay	2-4 points The essay prepared by the Postgraduate Student	5-8 points The essay prepared by the Postgraduate	

methods of scientific knowledge, Essay		contains significant errors, does not correspond to the topic, or does not reveal it	Student generally covers the topic, but contains some errors	topic and contains the student's own thoughts.
Testing on the topics covered (multiple choice test)	0-3 points Depends on the number of correct answers on the test	4-6 points Depends on the number of correct answers on the test	7-8 points Depends on the number of correct answers on the test	9-10 points Depends on the number of correct answers on the test
Practical task for topic 4 Theory and practice of science as a social institution. Ethics of science Philosophic al discussion	0-3 points The graduate student did not participate in the discussion.	4-6 points The graduate student took a passive part in the discussion	7-8 points The graduate student participated in the discussion in the form of individual remarks and comments	9-10 points The postgraduate student actively participated in the discussion, independently formulated and expressed opinions on the topic
actical task for topic 5 Theories of the origin and developme nt of life. Intellectual game "Brain Ring"	0 points The graduate student did not participate in the intellectual game	2-4 points The graduate student did not show activity in teamwork	5-8 points The graduate student participated in teamwork, gave some correct answers	9-10 points Active participation in the game, accurate and complete answers to questions
Practical task for topic 6 The phenomeno n of innovation and its research	0 points The graduate student did not participate in the intellectual game	2-4 points The graduate student did not show activity in teamwork	5-8 points The graduate student participated in teamwork, gave some correct answers	9-10 points Active participation in the game, accurate and complete answers to questions

5.2 . Formative assessment:

5.2.1 To evaluate the current progress in education and understand the areas of further improvement, is provided

Nº	Elements of formative assessment	Date		
1	Testing after learning the topics № 1-2,3-4, 5-6.	4 week, 6 week, 9 week, 10 week		
2	Passing current control testing with feedback from the teacher	constantly		
3	Self-assessment	1-3, 10 week		
4	Verbal feedback from the teacher during classes	constantly		
5	Peer evaluation	5, 9, 10 week		
6	Written feedback on essays, abstracts, multimedia	constantly		
7	Verbal feedback from the teacher and students after the exam	6, 10 week		

Self-assessment can be used as an element of summative assessment and formative assessment.

5.3 Total number of points for EC and rating scale

The total number of points for the educational component is 100 points.

5.3.1 Evaluation scale operating at the University:

20 THE R. P. LEWIS CO.	Evaluation on a national scale				
The sum of points for all types of educational activities	For an exam, course project (work), practice, qualification work	For a credit			
90 - 100	excellent				
82-89	good				
75-81		passed			
69-74	69-74 satisfactory				
60-68					
35-59	not satisfactory with the possibility of retaking	not passed with the possibility of retaking			
0-34	factory with obligatory repeated study of the discipline	e not passed with obligatory repeated study of the discipline			

REFERENCES

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Aotearoa. London: Bloomsbury Academic.

Information resources

Platform Moodle https://cdn.snau.edu.ua/moodle/course/view.php?id=2292 Stanford Encyclopaedia of Philosophy: URL: http://plato.stanford.edu Internet Encyclopaedia of Philosophy: URL: http://iep.utm.ed

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Recommended learning resources are sufficient to achieve					
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The literature is relevant					
The list of training resources contains the necessary software products to achieve MLOs Reviewer (lecturer of the department)		la la			11