## MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE SUMY NATIONAL AGRARIAN UNIVERSITY

Faculty of Food Technology Philosophy and Socio-Humanities Department

# MODULE SYLLABUS EC 1. PHILOSOPHY OF SCIENCE

(compulsory)

Implemented in the <u>"Ecology"</u> Academic Program Area of specialization 101 "<u>Ecology"</u>

Field of knowledge 10 "Natural sciences"

Qualification: PhD





#### Perelomova O. S., PhD in Philology, Professor

Module syllabus viewed and agreed at	Minutes № 12 dated	June 23, 2021	
the Philosophy and Socio-Humanities			
Department meeting			
	Head of the Department	vnj	Chough A. O.
	F	(signature)	Shevel A.O. (surname, initials)

#### Approved by:

Guarantor of the Academic program

Many

I. M. Kovalenko

Dean of the Faculty

Mary

I. M. Kovalenko

Syllabus review (attached) is provided by:

Berry -

V. G. Skliar

Laury

G.O. Klymenko

#### Syllabus review data:

The academic	The Academic	Change	s revised and approved	
year in which changes are made	program attachment number with changes description	Minutes No and date of the department meeting	Head of Department	Guarantor of the Academic program

#### 1. 1. MODULE OVERVIEW

<b>1. 1.</b> 1	MODULE OVERVIEW					
1.	Title	PHILOSOPHY OF SCIENCE				
2.	Faculty/Department	Faculty of Food Technologies, Philosophy and Socio-Humanities Department				
3.	Type (compulsory or optional)	Compulsory				
4.	Program(s) to which	Academic program "	Ecology "			
	module is attached	Area of specialization	n 101 " Ecology "			
5.	Module can be suggested for (to be filled in for optional types)	-				
6.	Level of the National Qualifications Framework	8 level				
7.	Semester and duration of module	1 semester, 5 weeks				
8.	ECTS credits number	4 credits (120 hours)				
9.	Total workload and	Dire	ected study	Self-directed study		
	time allotment- 120	Lecture Practical	als/seminars			
	hours	24	16	80		
10.	Type of control autumn semester	Exam				
11.	Language of instruction	Ukrainian, English				
12.	Module leader  Module leader contact	Philosophy and Socio	tepanivna, PhD in Philology o-Humanities Department hours – every Tuesday, 12			
	information	•				
14.	Module description	with output knowle of general method formal logical lay	science is designed to pr dge on the organization of s of scientific cognition ws and philosophical pr generalizing the results of s	research work in the use and the application of inciples in processing,		
15.	Module aim	the formation of gen particular branch of knowledge in genera	eral ideas among PhD stude science development and th l, about the methodology of characterizing research wor	nts about the history of a ne philosophy of scientific scientific creativity, about		
16.	Module Dependencies (prerequisites, co- requisites, incompatible modules)	The educational combranches of science.	ponent is the basis for furthe	r scientific creativity in all		
17.	The policy of academic integrity	performing practical works. For violation to such academic resp	must follow the rules of work, writing modular, attest of the rules of academic inte consibility as re-assessment (t	ation, test and examination grity, students are brought test, exam, test, etc.)		
18.	Link in Moodle	https://cdn.snau.edu.u	na/moodle/course/view.php?id	d=3965		

## 2. CORRELATION BETWEEN MODULE LEARNING OUTCOMES (MLOs) AND PROGRAM LEARNING OUTCOMES (PLOs)

MLOs: On successful completion of the				How assessed
module the PhD students will be able to:	PLOs (indicate the num	ber according to the numberin	g given in the AP)	
	PLOs2 Demonstrate mastery of general scientific concepts of modern science	PLOs4 Formulate, research and solve problems of ecology, environmental protection and sustainable use of land using the scientific method of cognition	PLOs 5 Independently develop innovative comprehensive research projects in the field of ecology, environmental protection and optimization of nature management.	
MLOs 1. Know the history of formation and development of science as a socially significant phenomenon, basic concepts, principles and categories of scientific knowledge; philosophical and ideological foundations, scientists guided in creating their innovative theories	X	X	X	Report, discussion, polls, group work. Carrying out modular control and certification control
MLOs 2. Be able to defend their scientific position based on the theoretical and methodological basis of the basic sciences	X	X	X	Preparation of multimedia presentations, essays, abstracts
MLOs 3. Be able to analyze the most important theoretical problems of modern science.	X	X	X	Dispute, philosophical quiz, brain-ring, preparation of multimedia presentations, essays, abstracts
MLOs 4. Be able to link the development of science with the development of spiritual and creative potential of mankind, aimed at the formation and practical use of innovations	X	X	X	Presentation of projects, round table discussion
MLOs 5. Apply the acquired knowledge in scientific activity, apply practical skills of analysis of one or another method of scientific research	X	X	X	Discussion with elements of oral presentation of one's own position.

#### 3. MODULE INDICATIVE CONTENT

3. MODULE INDICATIVE CONTE		N: 4!! 4.			T 1			
Topics. (List of issues to be addressed within the	Distribution of hours			ours	Learning resources <sup>1</sup>			
topic)	Di	rected stu	ıdy	Self- directed study				
	Lect	Practicals	Labs	study				
	Autumn semester							
Topic 1. Philosophy of science as a branch of philosophical knowledge.  Plan					1, 2 4, 8, 13, 16, 20			
1. Subject area of the philosophy of science. The phenomenon of science in the structure of the philosophy of								
science.  2. Historical types of worldview.								
3. Correlation of philosophy and science, common and distinctive features of philosophy and science.	4	3		14				
4. Historical types of relationship between philosophy and science.								
5. The phenomenon of science in the structure of the philosophy of science.								
<ul><li>6. Epistemology. Methodology of science.</li><li>7. Sociology of science Specifics of</li></ul>								
philosophical problems of science.								
Topic 2. The phenomenon of science. The main forms of science. Plan					1, 2 4, 8, 9, 11, 12, 16, 20			
1. Genesis of scientific knowledge, classical, non-classical, post-classical science.								
2. Science as a specific type of knowledge, attributive characteristics of scientific knowledge.	4	3		14				
<ul><li>3. Science as a cognitive activity.</li><li>4. Science as a social institution.</li></ul>								
Systemic nature of science.  5. The main functions of science.								
Topic 3. Structure and methods of scientific knowledge					13, 14, 16, 24			
Plan 1. Levels of scientific knowledge. 2. The structure of empirical knowledge.								
3. Methods of empirical research: scientific observation, comparison,								
measurement, experiment.  4. The correlation of empiricism and theory.	4							
5. Methods of theoretical cognition: idealization, formalization, mathematical modeling.		3		14				
6. The structure of scientific theory.  Metatheoretical level of scientific knowledge.								

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<sup>&</sup>lt;sup>1</sup> Certain source from the key or additional recommended resources

Total hours/semester	24	16	80	
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.  4. Motivation and personality	4	2	10	5, 8, 9, 13, 15, 20, 21, 22, 23
Topic 5. Theories of origin and development of life.  Plan  1. The specifics of philosophical and methodological problems of biology.  2. Reductionism vitalism in the history of biology. The essence of the living. Scientific concepts of life origin.  3. The idea of development in biology (transformism, saltationism, evolutionism).  4. Global problems of mankind and ways to solve them	4	2	14	2, 11, 15, 19, 23, 24
Topic 4. Theory and practice of science as a social institution. Ethics of science.  Plan  1. Science and morality. Ethics and deontology, a professional code of honor for a scientist.  2. The main topics of ethical discussion of scientific and technical activity (goals of science, means of scientific activity. Consequences of scientific activity. The meaning of scientific activity).  3. Scientific knowledge: freedom and control. Ethical issues of the special sciences.  4. The influence of science on the formulation of new ethical problems.  5. Scientific and technological progress and its moral problems.	4	3	14	1, 2, 4, 6, 7, 8, 13
7. Scientific picture of the world, ideals and norms of scientific research and philosophical foundations of science.				

#### 4. TEACHING AND LEARNING METHODS

MLOs	Teaching methods	Hours	Learning methods	Hours
WILOS	(directed study)		(self-directed study)	Hours
	(uncered study)		(sen unceted study)	
	Autumn se	 mester		
MLOs 1. Know the	- conducting lectures with	8	- preparation of materials for	16
features of philosophy	multimedia presentations on		reports, discussions, debates;	10
as an integrative type of	each of the topics;		- preparation for the survey,	
knowledge, as a deep	- moderation of the		testing (multiple choice test)	
foundation of	discussion based on the		testing (martiple enoise test)	
worldview	results of the reports;			
	- conducting a survey, testing			
	(multiple choice test)			
MLOs 2. Know the	- conducting lectures with	8	- preparation of materials for	16
main stages of	multimedia presentations on		the report; abstracts	
philosophical thought	each of the topics;		- essay preparation	
development; the	- moderation of the		- preparation for the survey,	
features of Ukrainian	discussion based on the		testing (multiple choice test)	
philosophy	results of the reports;			
development	- conducting a survey, testing			
_	(multiple choice test)			
	- consultations;			
	- checking multimedia			
	presentations, essays,			
	abstracts;			
MLOs 3. Theoretically	- conducting lectures with	8	- preparation of materials for	16
comprehend social life,	multimedia presentations on		the report;	
universal values.	each of the topics;		- preparation for a	
	- moderation of the		philosophical quiz, intellectual	
	discussion based on the		game "brain-ring"	
	results of the reports;		- preparation for the survey,	
	- conducting a survey;		testing (multiple choice test)	
	- organization of debates,			
	preparation of philosophical			
	quizzes, brain-rings			
MLOs 4. Know the	- moderation of the	8	- preparation for the survey,	16
features of globalization	discussion based on the		testing (multiple choice test)	10
in the modern world.	results of the reports;		(marapic choice test)	
modelii mollu.	- conducting a survey, testing			
	(multiple choice test)			
	- consultations;			
MLOs 5. Defend own	- carrying out lectures to take	8	- preparation of materials for	16
position;	with multimedia		additional discussion;	
to express your	presentations to skin topics;		·	
thoughts, to formulate a	• •			
conceptual vision of the				
main problems				
Total hours		40		80

#### **5. ASSESSMENT**

#### **5.1.** Summative assessment

5.1.1. To assess the expected learning outcomes provided

$N_{\underline{0}}$	Summative assessment methods	Grades	Deadline
	Autumn semester		
1.	Practical task on topic 1 Philosophy of science as a branch of philosophical knowledge. Report	8 grades /8%	Up to 4 weeks
2.	Practical task on topic 2 The phenomenon of science. The main forms of science. Discussion	7 grades /7%	Up to 5 weeks
3.	Practical task on topic 3 Structure and methods of scientific knowledge. Essay	10 grades /10%	Up to 6 weeks
4.	Testing on the studied topics (multiple choice test)	10 grades / 10 %	Up to 8 weeks
5.	Practical task on topic 4 Theory and practice of science as a social institution. Ethics of science. Philosophical discussion.	10 grades /10%	Up to 9 weeks
6.	Practical tasks on topic 5 Theories of origin and development of life. Intellectual game "Brain - ring"	5 grades /5%	Up to 10 weeks
7.	Testing on the studied topics (multiple choice test)	10 grades / 10%	Up to 11 weeks
8	Practical task on topic 6 The phenomenon of innovation and its research.	10 grades /10%	Up to 12 weeks
9.	Exam	30 grades /30%	After 12 weeks
	Total	100	

#### 5.1.2. ASSESSMENT CRITERIA

Component <sup>2</sup>	Unsatisfactory	Satisfactory	Good	Exellent <sup>3</sup>		
Autumn semester						
Practical task on topic1	0 grades	1-6 grades	7 grades	8 grades		
Philosophy of science as a branch of philosophical knowledge. Report	PhD student did not prepare a report, did not participate in the discussion.	PhD student did not disclose the topic of the report, did not argue his position, did not answer additional questions, did not show activity in the discussion.	PhD student disclosed the topic partially, insufficiently convincingly argues his position, did not answer some additional questions, participated in discussions, debates.	PhD student fully disclosed the topic of the report, convincingly argues his position, answered additional questions, actively participated in discussions.		

<sup>&</sup>lt;sup>2</sup> Indicate the component of summative assessment

<sup>&</sup>lt;sup>3</sup> Indicate the distribution of grades and the criteria that determine the level of assessment evaluation

Practical task on topic	0	1- 4	5	7
The phenomenon of science. The main forms of science. Discussion	PhD student did not prepare a report, did not take part in the discussion	PhD student took a passive part in the discussion	PhD student took part in the discussion in the form of separate remarks	PhD student took an active part in the discussion, independently formulated and expressed opinions on the topic
Practical task on topic	0	2-4	5-8	9-10
Structure and methods of scientific knowledge. Essay	PhD student did not prepare an essay	An essay prepared by a PhD student contains significant errors, does not correspond to the topic, or does not reveal it.	The essay prepared by a PhD student generally reveals the topic, but contains some mistakes	The essay prepared by the PhD student is an original work that fully reveals the topic and contains his own thoughts.
Testing on the studied	0-3	4-6	7-8	9-10
topics (multiple choice test)	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test
Practical task on topic	0-3	4-6	7-8	9-10
Science theory and practice as a social institution. Ethics of science. Philosophical discussion.	PhD student did not take part in the discussion	PhD student took a passive part in the discussion	PhD student took part in the discussion in the form of separate remarks	PhD student took an active part in the discussion, independently formulated and expressed opinions on the topic
Practical task on topic	0	1-2	2-3	4-5
Theories of origin and development of life. Intellectual game "Brain - ring"	PhD student did not participate in the intellectual game	PhD student did not show activity in teamwork	PhD student participated in teamwork, gave some correct answers	Active participation in the game, accurate and complete answers to questions
Testing on the	0	2-4	5-8	9-10
studied topics (multiple choice test)	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test
Practical task on	0	2-4	5-8	9-10
	I	I	I .	<u> </u>

The phenomenon of innovation and its research.	PhD student did not participate in the intellectual game	PhD student did not show activity in teamwork	PhD student participated in teamwork, gave some correct answers	Active participation in the game, accurate and complete answers to questions
	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test	Depends on the number of correct answers to the test
Exam	O-5  PhD student is not sufficiently oriented in the theoretical material The PhD student has the material at a satisfactory level	5-15  PhD student has a satisfactory level of knowledge of the material	_	PhD student is well oriented in the theoretical material

#### **5.2.** Formative Assessment

№	Formative Assessment elements	Date					
	Autumn semester						
1	Express survey after studying of the topics 1-2,3-4, 5-6. Oral feedback from the tutor during classes	4 week, 6 week, 11 week, 12 week					
2	Passing the current control test with feedback from the teacher	According to the schedule of the educational process					
3	Self-assessment	1-3, 12 week					
4	Oral feedback from the tutor during classes	Throughout the semester					
5	Mutual assessment	5, 9, 10 week					
6	Written feedback on essays, abstracts, multimedia presentations	6, 12 week					

#### 6. LEARNING RESOURCES

#### **6.1.** Methodological support

- 1. Корніенко О.М. Філософія науки. Конспект лекцій для Аспірантів денної і заочної форм навчання ОКР «Магістр» / Суми, СНАУ, 2016 рік, 106 с.
- 2. Корніенко О.М. Філософія науки. Методичні вказівки щодо проведення семінарських занять для Аспірантів спеціальності Ns 7.130102 «Агрономія» ОС «Магістр»/ Суми, СНАУ, 2017 рік 14 с.
- 3. Переломова О.С. Філософія. Етичні пошуки вітчизняної філософії. Методичні вказівки для проведення семінарських занять / укл. Переломова О.С.—Суми, 2020. 20 с.
- 4. Переломова О.С. Філософія. Походження моралі, її сутність і функції. Категорії етики: Методичні вказівки для проведення семінарських занять / укл. Переломова О.С.— Суми,  $2021.-29~\mathrm{c}.$

#### **6.2.** Key resources

- 1. Абдеев Р.Ф. Философия информационной цивилизации / Р.Ф. Абдеев. М., 1994. 336 с.
- 2. Агацци Э. Научная объективность и ее контексты. М., 2017
- 3. Йонас Г. Принцип відповідальності. У пошуках етики для технологічної цивілізації. / Г. Йонас. К.:Лібра, 2001. 400 с.
- 4. Карнап Р. Философские основания физики. Введение в философию науки. М., 1971
- 5. Кастельс Мануэль. Галактика Интернет: Размышления об интеллекте, бизнесе и обществе / Пер. с англ. А. Матвеева под ред. В.Харитонова / Мануэль Кастельс. Екатеринбург: У-Фактория (при участии изд-ва Гуманитарного университета), 2004. 328 с
- 6. Краткий философский словарь / Отв. ред. А. Алексеев. М.: Проспект, 2008. 496 с.
- 7. Кузнецов В. Философия / В. Кузнецов, И. Кузнецова, В. Миронов, К. Момджя. М. : ИНФРА-М, 2004.-519 с.
- 8. Кун Т. Структура научных революций. М., 1985.
- 9. Кэмпбелл Д. Модели экспериментов в социальной психологии и прикладных исследованиях / Д.Кэмпбелл. М.: Прогресс, 1980. 260 с.
- 10. Маслоу А. Мотивация и личность. СПб.: Евразия, 1999. 478с.
- 11. Мертон Р. Социальная теория и социальная структура М., 2006.
- 12. Мизес Л. Человеческая деятельность. М.: Экономика, 2000. 878 с.
- 13. Основи методології та організації наукових досліджень: Навч. Посібник/ за ред.. А.Є.Конверського. К.: Цент учбової літератури, 2010. 352 с.
- 14. Переломова О.С. Мовна картина світу українців в екзистенційному вимірі: художній дискурс // Моделі соціокультурного розвитку територій: перспективи та можливості у світлі історичної спадщини сучасного та майбутнього: Матеріали міжнародної науковопрактичної конференції (м. Суми, Україна, 25-27 вересня 2019 року). Суми: Сумський національний аграрний університет, 2019. 278 с.
- 15. Переломова О.С. Відображення в літературних творах еволюції духовних пошуків українського народу в добу реформації // Реформація –500: загальноєвропейський та український контекст: Альманах / Упоряд. О.Киричук, М. Омельчук, І.Орлевич. Львів : видавничий відділ Львівського музею історії релігії, Логос, 2018. С. 62 –68
- 16. Поппер К. Логика и рост научного знания / Поппер К. 1983.
- 17. Поппер К.Р. Знание и психофизическая проблема. М., 2008.
- 18. Поппер, Карл. Злиденність історицизму: Пер. з англ. Лісового. К.: АБРИС, 1994. 192 с.
- 19. Шумпетер Й. Капіталізм, соціалізм і демократія. К.:Основи, 1995, 528 с.
- 20. An Encyclopedia of Philosophy / [general editor G.H.R. Burke]. London: Routledge, 1988. 935 p.
- 21. Bentley John E. An Outline of American Philosophy / John E. Bentley. Paterson, N. J.: Littlefield, Adams and Co., 1963. 208 p.
- 22. Copleston F.Ch. A History of Philosophy: Vol. 1-11. / F.Ch. Copleston. Great Britain: Continuum, 2003. 5 344 p.
- 23. Russell Bertrand Arthur William. A History of Western Philosophy and its Connection with Political and Social Circumstances from the Earliest Times to the Present Day / Bertrand Arthur William Russell. London: Routledge, 1993. 916 p.
- 24. The Cambridge Dictionary of Philosophy / [general editor Robert Audi]. [2nd. ed.] Cambridge, UK: Cambridge University Press, 1999. 1001 p.

#### **Information resources**

1. Артюнов В.Х., Свінціцький В.М.Філософія глобальних проблем сучасності / В.Х. Артюнов, В.М. Свінціцький: Навчавльний посібник. - [Електронний ресурс]. - К.: КНЕУ, 2003. - 90 с. - Режим доступу: http://ualib.com.ua/b\_144.html

- 2. Бойченко І.В. Філософія історії / І.В. Бойченко: підруч. для вищ. навч. закл. [Електронний ресурс]. К.: Знання, 2000. 724 с. Режим доступу: <a href="http://libfree.com/149170412-filosofiyafilosofiya istoriyi.html">http://libfree.com/149170412-filosofiyafilosofiya istoriyi.html</a>
- 3. Васильев В. Философия / В. Васильев: Учебник для вузов. [Електронний ресурс]. М: Академический Проект, 2005. Режим доступа: <a href="http://royallib.com/book/vasilev\_v/istoriya\_filosofii\_uchebnik\_dlya\_vuzov.html">http://royallib.com/book/vasilev\_v/istoriya\_filosofii\_uchebnik\_dlya\_vuzov.html</a>
- 4. 4. Гатальська С.М. Філософія культури / С.М. Гатальська. [Електронний ресурс]. К.: Либідь, 2005. 328 с. Режим доступу: <a href="http://libfree.com/134399148-filosofiya\_kulturi\_gatalska\_cm.html">http://libfree.com/134399148-filosofiya\_kulturi\_gatalska\_cm.html</a>
- 5. Кремень В.Г. Філософія: мислителі, ідеї, концепції: Підручник / В.Г. Кремень, В. В. Ільїн. [Електронний ресурс]. К.: Книга, 2005. 528 с. Режим доступу: http://studentbooks.com.ua/content/view/1356/1/
- 6. Касьян В.І. Філософія / В.І. Касьян. [Електронний ресурс]. К.: Знання, 2008. 347 с. Режим доступу: http://libfree.com/125922051-filosofiyafilosofiya\_kasyan\_vi.html
- 7. Огородник І.В. Історія філософської думки в Україні / І.В. Огородник [Електронний ресурс]. К.: Вища школа; Т-во «Знання», КОО, 1999. 543 с. Режим доступу: http://libfree.com/174683975-filosofiyaistoriya\_filosofskoyi\_dumki\_v\_ukrayini\_\_ogorodnik\_iv.html
- 8. Сидоренко О.П. Філософія / О.П. Сидоренко. [Електронний ресурс]. К.: Знання, 2009. 891 с. Режим доступа: http://libfree.com/168444699-filosofiyafilosofiya\_sidorenko\_op.html
- 9. Философия: Учебник / Под ред. А. Ф. Зотова, В.В. Миронова А.В. Разина: [Електронний ресурс]. М.: Академический Проект; Трикста, 2004.— 688 с. Режим доступа: chrome-extension://oemmndcbldboiebfnladdacbdfmadadm/http://yanko.lib.ru/books/philosoph/philosophy
- 10. Философия: [Електронний ресурс]. -Учебник для вузов / Под общ. ред. В. В. Миронова М., 2005. Режим доступа: http://bookz.ru/authors/vladimir-mironov/filosofi\_867/1-filosofi\_867.html
- 11. Бібліотечно-інформаційний ресурс СНАУ (книжковий фонд, періодика, фонди на електронних носіях, тощо). Режим доступу: <a href="https://library.snau.edu.ua/">https://library.snau.edu.ua/</a>.
- 12. ЕНМКД Загальна психологія [Електронний ресурс]. Режим доступу: <a href="http://library.tneu.edu.ua/index.php/uk/component/content/article/93-nmkd/3821-zahalna-psykholohiia">http://library.tneu.edu.ua/index.php/uk/component/content/article/93-nmkd/3821-zahalna-psykholohiia</a>
- 13. Інституційний репозиторій СНАУ (наукові статті, автореферати дисертацій та дисертації, навчальні матеріали, студентські роботи, матеріали конференцій, навчальні об'єкти, наукові звіти, тощо). Режим доступу: <a href="http://repo.snau.edu.ua/">http://repo.snau.edu.ua/</a>.
- 14. Національної бібліотеки України ім. В. І. Вернадського. Режим доступу: <a href="http://www.nbuv.gov.ua/">http://www.nbuv.gov.ua/</a> (Київ, проспект Голосіївський, 3, +380 (44) 525-81-04) та інших бібліотек.

#### **Computer Applications and soft**

- 1. Microsoft Word
- 2. Microsoft Excel
- 3. Microsoft PowerPoint

### Academic Program (Syllabus) Review

#### PHILOSOPHY OF SCIENCE

Parameter by which the educational program (syllabus) of	Yes	No	Comment
the educational component is assessed by the guarantor or			
a member of the project team			
Learning outcomes according the educational component	+		
(MLOs) correspond to the NQF			
Learning outcomes according the educational component	+		
(MLOs) correspond to the stipulated PLOs (for compulsory			
EC)			
The results of training in the educational component provide an	+		
opportunity to measure and assess the level of their			
achievement			

Member of the project group Ecology Academic Program

Berry -

V.G. Skliar

Parameter by which the educational program (syllabus) of the educational component is assessed by the teacher of the	Yes	No	Comment
relevant department			
General information about the educational component is sufficient	+		
Learning outcomes for the educational component (MLOs) correspond to the NQF	+		
The list of training resources contains the necessary software products to achieve DRN			
Learning outcomes for the educational component (MLOs) provide an opportunity to measure and assess the level of their achievement	+		
Learning outcomes (MLOs ) relate to the students competencies, not	+		
the content of the discipline (contain knowledge, skills, abilities, not			
topics of the curriculum of the discipline)			
The content of the EC is formed in accordance with the structural and	+		
logical scheme			
Learning activity (teaching and learning methods) allows students to	+		
achieve expected learning outcomes (MLOs)			
The educational component involves learning through research that is	+		
appropriate and sufficient for the corresponding level of higher			
education			
The assessment strategy within the educational component is in line	+		
with the policy of the University / faculty			
The provided assessment methods allow to assess the degree of	+		
achievement of learning outcomes in the educational component			
The workload of students is adequate to the volume of the educational	+		
component			
Recommended learning resources are sufficient to achieve learning	+		
outcomes (MLOs)			
The literature is relevant	+		
The list of training resources contains the necessary software products	+		
to achieve MLOs			

G.O. Klymenko Reviewer