



Затверджую
Проректор з навчальної роботи та перспектив
проф. Ю. В. Гринюк
... 23... 06 2020 рр.

CURRICULUM

degree	<u>Philosophy Doctor (PhD)</u>	Qualification	<u>Philosophy Doctor (PhD)</u> (title)
field	<u>10 Natural sciences</u> (field code and title)	Study duration	<u>4 years</u> (years/months)
specialty	<u>102 Chemistry</u> (specialty code and title)	Pre-requisite	<u>Master's degree</u> (preliminary education-qualification level)
specialization	<u>Educational Scientific program "SYNTHESIS AND STUDY OF PROPERTIES OF INORGANIC AND ORGANIC SUBSTANCES"</u> (specialization title)		
Form of study	<u>full-time/ correspondence</u> (Full-time (day, evening), correspondence, externate)		

I. STUDY TIMETABLE

	October		November				December				January				February				March				April				May				June				July				August				September								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
1	T	T	T	T	T	T	T	T	T	T	T	T	K	K	T	T	T	T	T	T	T	T	T	T	C	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C/A		
2	T	T	T	T	T	T	T	T	T	T	T	K	K	T	T	T	T	T	T	T	T	T	T	T	C	A	II	II	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C/A	
3	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	K	K	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	A	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	A	
4	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	K	K	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	A	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	A

Notes: T - Theoretical Study and Scientific Research Work; C - Test and Examination Session; II - Pedagogical Practice; A - Attestation; K - Vacation; FC - Specialty Seminar; HP - Scientific Research Work

II. COLLECTED TIME BUDGET DATA, weeks

Year	Theoretical Study and Scientific Research Work	Test and Examination Session	Practice	Specialty Seminar	Attestation	Vacation	Total
1	38	2			2	10	52
2	38	2			2	10	52
3	40		During Term		2	10	52
4	40			1	1	10	52

III. PRACTICE

Practice Title	Term	Weeks
Pedagogical Practice	4	

IV. STATE ATTESTATION

Form of state attestation (thesis defence)	Term
Specialty Seminar	7
Thesis defence	8

V. CURRICULUM

SUBJECT TITLE	Term distribution					ECTS Credits	ECTS credits										Weekly hour distribution			
	Exams	Tests	Practice	Attestation	ECTS Credits		overall	auditorium					Personal work	Year I	Year II	Year III	Year IV			
								of which												
								lectures	practicals	seminars	laboratory	individual								
1. Cycle of mandatory subjects																				
1.1. General mandatory subjects																				
Foreign Language	3	1,2		8	240	192/96	24/12	168/84				48/144	3	3	3					
Academic integrity and scientific ethics	1			3	90	36/18	20/10			16/8		54/72	1,5							
Philosophy and methodology of science	2	1		6	180	64/32	44/22			20/10		116/148	2	1						
Pedagogical basis of professional communicative competence	2			3	90	36/18	20/10			16/8		54/72	1,5							
Total	2	5		20	600	328/164	108/54	168/84		52/26		272/436	6,5	5,5	3					
1.2. Professional mandatory subjects																				
Latest aspects of the development of modern chemistry	4	3		7	210	64/32	44/22			20/10		146/178		2	1					
Solid state chemistry	4	3		6	180	64/32	44/22			20/10		116/148		2	1					
Current trends in the development of organic synthesis	4	3		6	180	64/32	44/22			20/10		116/148		2	1					
Pedagogical practice		4	4	6	180							60								
Total	3	4	1	25	750	192/96	132/66			60/30		438/534		6	3					
2. Cycle of elective subjects																				
2.1. General elective subjects																				
Scientific product promotion and project management		1		3	90	36/18	20/10			16/8		54/72	1,5							
Interactive learning technologies																				
Methodology and organization of scientific research																				
Business modeling of scientific research																				
Data analysis	1			3	90	36/18	20/10			16/8		54/72	1,5							
Mathematical methods, models and information technologies in scientific research																				
Information search and work with library resources	2			3	90	36/18	20/10			16/8		54/72	1,5							
Academic rhetoric																				
Total	3			9	270	108/54	60/30			48/24		162/216	3	1,5						
2.2. Professional elective subjects																				
A subject from the master's program	2			3	90	36/18	20/10			16/8		54/72	1,5							
Crystal chemistry of chalcogenides	4			3	90	36/18	20/10			16/8		54/72			1,5					
Methods of separation and concentration of substances																				
Chemistry of medicines																				
Thermodynamics of phase equilibria																				
Chemical sensors																				
Total	2			6	180	72/36	40/20			32/16		108/144	1,5		1,5					
Curriculum Total	5	14	1	60	1800	700/350	340/170	168/84		192/96		980/1330	9,5	8,5	9	4,5				
Exams													1	1	3					
Tests													5	4	3	2				

Curriculum is adopted by Scientific Council of Lesya Ukrainka EENU (Protocol № 8 of June " 23 ", 2020)

Guarantor of Educational Scientific program *[Signature]* I.D. Oleksyuk

Dean of the Department of Chemistry, Ecology and Pharmacy *[Signature]* L.P. Marushko

Approved: Post-Graduate Studies Department
June " 23 ", 2020

Head of Post-Graduate Studies Department

[Signature] Filipovych M. B.