

Rector/

Volodymyr ONYSHCHENKO

(signature)

(surname and initials)

" 07 "

06

2025

Of Doctors of Philosophy training

In the field of knowledge 18 **Production and Technology**

In the specialty 185 "Oil and Gas Engineering and Technology"

Form of study full-time

for 2022 – 2026 academic years

for ESP Oil and Gas Engineering and Technology

Educational qualification: Doctor of Philosophy in Oil and Gas Engineering and Technology

Training period 4 years

Based on the second (Master's) level

II. COMPREHENSIVE DATA ABOUT TIME BUDGET, WEEKS

[illegible]

FA

DD

PT

H

CA

research work and dissertation


IV. Final Attestation


ame of the Practical Training	Study Course	Number of weeks	Hours
Pedagogical Practical Training	3	2	90

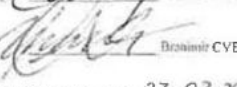
Form of the Attestation	Year
Dissertation Defense	4

V. EDUCATIONAL PROCESS PLAN

№	Cupher according to EPP	NAME OF THE EDUCATIONAL DISCIPLINE	number of credits ECTS	Number of hours						Distribution by semesters					Distribution of hours per week								Department code
				Total volume	Classroom			Individual work	Exams	Credit Tests	Course		CGP, GP	I year	II year	III year	IV year						
					Total	including					projects	papers											
						Lectures	Laboratory											Practical					
1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1. GENERAL TRAINING CYCLE																							
1.1. Required educational disciplines																							
1	EC 1	Foreign Language for Academic Purposes	6,0	180	62			62	118	1					6,0								21
2	EC 2	Philosophy and Scientific Thinking	4,0	120	42	20		22	78	1					4,0								70
3	EC 3	Modern Educational Technologies in Higher Education	3,0	90	32	20		12	58	1					3,0								70
4	EC 4	Modern Information Technologies in Scientific Activity	3,0	90	32	32			58	1					3,0								40
5	EC 5	Management of Scientific and Innovative Projects	3,0	90	32	20		12	58	1					3,0								52
		Total	19,0	570	200	92	0	108	370	5	0	0	0	0	19,0	0,0	0,0	0,0	0,0				
1.2. Selective educational disciplines																							
6	UFM1	Advanced Mathematics for Oil and Gas Engineering	3,0	90	32	20		12	58	2					0,0	3,0	0,0	0,0	0,0				60
7	UFM 2	Data and Information Analysis																					
8	UFM 3	Risk and Uncertainty Assessments in Petroleum Exploration and Production																					
		Total	3,0	90	32	20	0	12	58	1	0	0	0	0	0,0	3,0	0,0	0,0	0,0				
		Together according to the general training cycle	22,0	660	232	112	0	120	428	5	1	0	0	0	19,0	3,0	0,0	0,0	0,0				
2. VOCATIONAL TRAINING CYCLE																							
2.1. Required educational disciplines																							
9	EC 6	Reservoir Engineering and Characterization Practice Methods	4,0	120	48	30		18	72	2						4,0							60
10	EC 7	Reservoir Characterization and Volumetric with Pressure-Rate-Time Data Course Description	3,0	90	36	26		10	54	2						3,0							60
11	EC 8	Reservoir Flow Modelling and Simulation in Porous Media	4,0	120	48	30		18	72	2						4,0							60
12	EC 9	Pedagogical Practical Training	3,0	90					90		3							3,0					60
		Total	14,0	420	132	86	0	46	288	3	1	0	0	0	0,0	11,0	3,0	0,0	0,0				
2.2. Selective educational disciplines																							
13	IFM 1	Rock Mechanics for Drilling	3,0	90	32	20		12	58		3							3,0					60
14	IFM 2	Advanced Enhanced and Improved Oil Recovery (EOR&IOR) Methods	3,0	90	32	20		12	58		3							3,0					60
15	IFM 3	A Multifractured Horizontal Well Analytical and Numerical Modeling and Simulations	3,0	90	32	20		12	58		3							3,0					60
16	IFM 4	Advanced Well Testing Methods with Mathematical Modelling Techniques	3,0	90	32	20		12	58		3							3,0					60
17	IFM 5	Fluid Filtration Simulation by Using Computational Methods	3,0	90	32	20		12	58		3							3,0					60
18	IFM 6	Physical Chemistry of Hydrocarbon Production	3,0	90	32	20		12	58		3							3,0					60
19	IFM 7	Methods of In-Depth Core Research	3,0	90	32	20		12	58		3							3,0					60
20	IFM 8	Naturally Fractured Reservoirs Modelling and Simulations – Unconventional Reservoirs Practices	3,0	90	32	20		12	58		3							3,0					60
21	IFM 9	Modern Well Testing Methods and Interpretation	3,0	90	32	20		12	58		3							3,0					60
22	IFM 10	Advanced Methods of Enhanced Oil Recovery and Intensification	3,0	90	32	20		12	58		3							3,0					60
23	IFM 11	Innovative Methods of Operating Wells in Difficult Conditions During Hydrocarbon Extraction	3,0	90	32	20		12	58		3							3,0					60
24	IFM 12	Processes and Apparatus of Hydrocarbon Collection and Preparation Systems	3,0	90	32	20		12	58		3							3,0					60
25	IFM 13	Offshore Field Developments and Production Techniques	3,0	90	32	20		12	58		3							3,0					60
26	IFM 14	Well Decommissioning, Carbon Capture and Storage Technologies, Geothermal Energy	3,0	90	32	20		12	58		3							3,0					60
27	IFM 15	New Technical Solutions and Calculation Methods for Oil and Gas Equipment	3,0	90	32	20		12	58		3							3,0					60
28	IFM 16	Innovative Methods of Unconventional Reservoirs Exploration and Development	3,0	90	32	20		12	58		3							3,0					60
		Total	9,0	270	96	60		36	174		3							9,0					
		Total according to the professional training cycle	23	690	228	146	0	82	462	3	4	0	0	0	0	11	12	0	0				
		Total number of educational classes	42	1260	460	258	0	202	800	8	4	0	0	0	19	14	9	0	0				
		Pedagogical Practical Training	3	90					90	1							3						
		Total for the preparation of Doctors of Philosophy	45	1350	460	258	0	202	890	8	5	0	0	0	19	14	12	0	0				
		Final Attestation		90																			
		Number of exams								8					5	3							
		Number of credit tests									5					1	4						
		Number of course projects																					
		Number of course papers																					
		Number of CGP, GP																					


Acting Director of the Educational and Research Institute of Oil and Gas  Viktoriya DMYTRENKO


Guarantor of the Educational Program  Bogdan KOROBKO

Acting Head of the Department  Branislav CVETKOVIC

Approved by the Academic Council of the Institute from 23.02.2022 protocol № 8

Approved by the Academic Council of the University from 07.06.2022 protocol № 13

Director of the Department of Educational Process Organization, Accreditation and Licensing  Oleh MAKSYMENKO

Head of the Licensing and Accreditation Department  Yulia BILYK