

APPROVE
Chairman of the Management BoardRector of Kazy KY Chairman of the Management BoardM. M., Begentaev

1/08/

MODULAR EDUCATIONAL PROGRAM for recruitment to 2021-2022 academ Educational program 7M07202 - "Petroleum Enginnering"

Group of educational programs M115 - "Petroleum Enginnering"

LNU	NG210 IUM210 IUM209 IUM208 ET228 ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET247 ET248	Foreign language (professional) History and philosophy of science Higher school pedagogy Management psychology Advanced Petrophysics Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phatelous of Principles of production engineering Principles of production engineering Principles of designing oil and gas standard priliting Fluids Advanced Drilling Fluids	Basic Univ	1 2 2 1	g module mponent BD IC	5 4 4 3 3	150 120 120 90	0/0/3 1/0/1 1/0/1 1/0/1 2/0/1	00 60 90 90 90 90 90 90 90 90 90 90 90 90 90	E E E E	BC 2.4 BC 1.2.3 BC 2
PET	ET228 ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET247	History and philosophy of science Higher school pedagogy Management psychology Advanced Petrophysics Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phateliuids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	Com mpositional model rs se Behavior of Reservoir	ersity co	BD IC BD IC BD IC BD IC BD IC	4 4 3	120 120	1/0/1 1/0/1 1/0/1 2/0/1	90 90	E E	BC 1.2.3 BC 2
PET	ET228 ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET247	History and philosophy of science Higher school pedagogy Management psychology Advanced Petrophysics Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phateliuids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	Com mpositional model rs se Behavior of Reservoir	1 2 2 1 1 ponent (BD IC BD IC BD IC BD IC	4 4 3	120 120	1/0/1 1/0/1 1/0/1 2/0/1	90 90	E E	BC 1.2.3 BC 2
PET	ET228 ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET247	History and philosophy of science Higher school pedagogy Management psychology Advanced Petrophysics Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phateliuids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	npositional model rs se Behavior of Reservoir	2 1 ponent o	BD IC BD IC BD IC of choice	4 4 3	120 120	1/0/1 1/0/1 1/0/1 2/0/1	90 90	E E	BC 1.2.3 BC 2
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HU PE	ET228 ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET246 ET247	Advanced Petrophysics Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phateliuids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	npositional model rs se Behavior of Reservoir	ponent o	BD IC of choice	3		2/0/1			
PE'	ET228 ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET227 ET246 ET247	Advanced Petrophysics Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Pha- Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	npositional model rs se Behavior of Reservoir		of choice		90	2/0/1	60 1	E	Linco
PE P	ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET247	Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phar Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	npositional model rs se Behavior of Reservoir			5					IBC 2
PE P	ET229 ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET247	Advanced Reservoir Engineering Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phar Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	rs se Behavior of Reservoir	1	BD OC	5					TDC 1.2 DC 2.5
PE'	ET232 ET211 ET226 ET213 ET262 ET230 ET227 ET227 ET246 ET247	Advanced Production Engineering Petroleum Reservoir Simulation: Cor Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Phaterioles of production engineering Principles of drilling technology Principles of designing oil and gas st	rs se Behavior of Reservoir	Î	BD OC	5			£ 1	E	BC 1,3, PC 2,5,
PE'	ET211 ET226 ET213 ET262 ET230 ET227 ET246 ET247	Petroleum Reservoir Simulation: Con Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Pha- Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	rs se Behavior of Reservoir	Î	BD OC	5	150	2/0/1			BC 1,3 PC 2,3,5
PET	ET226 ET213 ET262 ET230 ET227 ET246 ET247	Principles of Reservoir engineering Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Pha- Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	rs se Behavior of Reservoir					2/0/1	105		BC 1,3 PC 1,2,3
PET	ET213 ET262 ET230 ET227 ET246 ET247	Enhanced oil recovery Basic Coding for Petroleum Engineer Advanced Thermodynamics and Pha- Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	se Behavior of Reservoir					2/0/1			BC 3, PC 3,4,5
PET	ET262 ET230 ET227 ET246 ET247	Basic Coding for Petroleum Engineer Advanced Thermodynamics and Pha- Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	se Behavior of Reservoir	-				2/0/1			BC 1, PC 1,3,6
PET	ET230 ET227 ET246 ET247	Advanced Thermodynamics and Pha- Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	se Behavior of Reservoir					2/0/1			BC 1, PC 1,4
PET	ET227 ET246 ET247	Advanced Thermodynamics and Pha- Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st	se Behavior of Reservoir		BD OC	5	150	2/0/1	105	Е	BC 1,3, PC 4,5
PET	ET246 ET247	Fluids Principles of production engineering Principles of drilling technology Principles of designing oil and gas st		-							BC 1,3, PC 2,3
PET	ET246 ET247	Principles of drilling technology Principles of designing oil and gas st						2/0/1			DC 1,5, 1 C 2,5
PET	ET247	Principles of drilling technology Principles of designing oil and gas st		1				2/0/1			BC 1, PC 1,2
PET		Principles of designing oil and gas st						2/0/1			BC 1, PC 1,2,4
PET	FT248	Advanced Drilling Fluide	orages					2/0/1			BC 1, PC 2.4
PET								2/0/1			BC 1.3. PC 2.4.
PET	ET229	Advanced Reservoir Engineering						2/0/1			BC 1.3 PC 2.3.
PET	ET213	Enhanced oil recovery						2/0/1		E	BC 1. PC 1.4
PET	ET226	Principles of Reservoir engineering		2	BD OC	5	150	2/0/1	105		BC 1, PC 1,3,6
PET	ET232	Principles of production engineering		-	1			2/0/1			BC 1, PC 1.2
PET PET PET PET PET PET PET PET PET	L1232	Advanced Production Engineering						2/0/1			BC 1,3 PC 1,3,4
PET PET PET PET PET PET PET PET PET					ning modul						
PET PET PET PET PET PET PET PET PET	FT266	Theory of motion of gas-liquid mixtu	Component	of choice				0/0/4	105 [TE 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PET				I	PS IC PS IC	5	150 150	2/0/1	105	E	BC 1,3, PC 1,2,
PET	E1203	Research seminar for petroleum grad	uates				150	2/0/1	105	Е	BC 1,3, PC 4,5
PET	стээл	A description and Theorem a demand in a send Disco	Delta in CD	Col	mponent of	choice					
PET	E1230	Advanced Thermodynamics and Phas	se Benavior of Reservoir			5	5	2/0/1	105	Е	BC 1,3, PC 2,3
PET	ЕТЭЭР	Fluids Advanced Petrophysics		-	PS OC			and the second			
PET		Petroleum Reservoir Simulation: Con	anasitional model	_ 2				2/0/1			BC 1,3, PC 2,5,
PET PET PET PET PET PET PET	ET268	Basic Coding for Petroleum Engineer						2/0/1			BC 3, PC 3,4,5
PET PET PET PET PET PET PET	ET265	Methods to improve the efficiency of						2/0/1			BC 1,3, PC 4,5
PET PET PET PET PET PET PET	ET216	Petroleum Reservoir Simulation: Blac		_				2/0/1			BC 1, PC 4,5,6 BC 3, PC 3,4,5
PET PET PET PET PET	ET231	Advanced Gas Engineering	OR OH IVIOGO		PS OC	5	5	2/0/1		E	BC 1,3 PC 1,2,3
PET PET PET PET	ET224	Design of pumping and compressor s	tations					2/1/0	105		BC 1.3, PC 2.3,
PET PET PET	ET206	Applied Well Testing						2/0/1			BC 1, PC 2,5,6
PET PET PET	ET 240	Geosteering in drilling						2/0/1			BC 1,3, PC 3,4
PET PET	ET222	Advanced Production Engineering		2				2/0/1			BC 1, PC 1,2
PET		Advanced well completion						2/0/1			BC 1, PC 1,3
	ET261	Basic Statistics for Petroleum						2/0/1			BC 1,3, PC 4,5
PET	ET224	Design of pumping and compressor s	tations					2/0/1			BC 1.3, PC 2.3,
		Advanced Rock Mechanics		_				2/0/1			BC 1,3, PC 2,5,
		Well construction and workover super	rvising					2/1/0			BC 1,3, PC 2,4,
	ET269	Advanced Production Engineering		3	PS OC	5	150	2/0/1	105		BC 1, PC 1,2
	ET269 ET222	Applied well stimulation			13.00		.50	2/0/1	.03		BC 1, PC 2,5,6
	ET269 ET222 ET264	Geosteering in drilling		3	PS OC	5	150	2/1/0	105		BC 1,3, PC 3,4
	ET269 ET222 ET264 ET 240	A dyranged avail1-4						2/0/1	2 1		BC 1, PC 1,3
	ET269 ET222 ET264 ET 240 ET236	Advanced well completion		3	PS OC	5	150	2/0/1	105		BC 1,3, PC 2,5,0
_	ET269 ET222 ET264 ET 240 ET236 ET260	Advanced Rock Mechanics		1	PS OC	5	150	2/0/1			BC 1,3, PC 4,5
	ET269 ET222 ET264 ET 240 ET236 ET260 ET261	Advanced Rock Mechanics Basic Statistics for Petroleum						2/0/1			BC 1,3 PC 1,3,4
	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering		3				2/1/0	105		BC 1,3, PC 2,3,0
_	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231 ET224	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering Design of pumping and compressor st	ations					2/0/1		2011	BC 1, PC 2,5,6
	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231 ET224 ET206	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering Design of pumping and compressor st Applied Well Testing						2/0/1			BC 3, PC 3,4,5
_	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231 ET224 ET206 ET216	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering Design of pumping and compressor st Applied Well Testing Petroleum Reservoir Simulation: Blace	k-Oil Model								BC 1,3, PC 2,4,5
PET	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231 ET224 ET206 ET216 ET216	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering Design of pumping and compressor st Applied Well Testing	k-Oil Model	3	PS OC	5	150	2/0/1	105	E	DU 1,3, TU 2,4,3
	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231 ET224 ET206 ET216 ET216	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering Design of pumping and compressor st Applied Well Testing Petroleum Reservoir Simulation: Blace	k-Oil Model rvising	3	PS OC	5	150		105		
AAI	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231 ET224 ET206 ET216 ET216 ET242 ET265	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering Design of pumping and compressor st Applied Well Testing Petroleum Reservoir Simulation: Blac Well construction and workover super	k-Oil Model rvising oil and gas pipelines		PS OC		150	2/0/1	105		BC 1, PC 4,5,6
AAF	ET269 ET222 ET264 ET 240 ET236 ET260 ET261 ET231 ET224 ET206 ET216 ET242 ET265	Advanced Rock Mechanics Basic Statistics for Petroleum Advanced Gas Engineering Design of pumping and compressor st Applied Well Testing Petroleum Reservoir Simulation: Blac Well construction and workover super	k-Oil Model rvising oil and gas pipelines				150	2/0/1	105		

		R	esearc	h module			
1	AAP242	Master's student scientific research, including an internship and a master's thesis	1	MSRW	6	Report	BC 1-4, PC 1-6
I	AAP242	Master's student scientific research, including an internship and a master's thesis	2	MSRW	6	Report	BC 1-4, PC 1-6
2	AAP242	Master's student scientific research, including an internship and a master's thesis	3	MSRW	6	Report	BC 1-4, PC 1-6
2	AAP242	Master's student scientific research, including an internship and a master's thesis	4	MSRW	6	Report	BC 1-4, PC 1-6
				cation modul	le		
	 	Req	uired	component			
2	ECA205	Registration and defense of the master's thesis (RaDMT)	4	FA	12	Defense of	BC 1-4, PC 1-6

The number of credits for the entire period of study				
Discipline cycles		Credits		
Cycle of basic disciplines (BD IC, BD OC)		35		
Cycle of special disciplines (PS IC, PS OC)		52		
	Total of theoretical study:	87		
MSRW		24		
Writing and defending a doctoral dissertation		12		
	TOTAL:	123		

The decision of the Academic Council of Kazntu named after K.Satpayev. Protocol № 3 " 25" 06 20 1 г.

Decision of the Academic Council of the Institute_

Protocol № 5 "24" 12 2026

Vice-Rector for Academic Affairs

B.A.Zhautikov

Director of the Institute GandOB

A.H. Syzdykov

Head of the Department "Petroleum engineering"

G.Zh.Yeligbayeva

Representative of the Specialty Council from employers

N.A. Nysangaliev

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