

Study programme: CHEMICAL ENGINEERING
Module: OIL-PETROCHEMICAL ENGINEERING

No.	Subject Name	Semester	Classes			ECTS
			Lecture	Exercises	Laboratory	
1.	Calculus 1	1	4	4	0	9
2.	Engineering Physics	1	3	2	0	6
3.	General and Inorganic Chemistry	1	4	0	3	8
4.	Election Block 1	1	1	0	2	3
	English Language - Elementary Level					
	English Language - Upper-intermediate Level					
5.	Election Block 2	1	2	2	0	4
	Calculations in Chemistry					
	Chemical Laboratory Practicum					
6.	Calculus 2	2	4	4	0	9
7.	Organic Chemistry	2	4	0	3	9
8.	Analytical Chemistry	2	3	0	3	7
9.	Election Block 3	2	2	0	2	5
	Introduction to Engineering					
	Mechanical Engineering Elements					
10.	Technical Thermodynamics	3	4	3	0	8
11.	Physical Chemistry	3	4	0	3	8
12.	Applications of Computers	3	2	0	4	7
13.	Fluid Mechanics	3	3	3	0	7
14.	Unit Operations 1	4	3	3	1	9
15.	Heat and Mass Transfer	4	3	3	0	7
16.	Catalysis and Catalytic Processes	4	3	0	3	7
17.	Transportation of crude oil and natural gas	4	4	2	1	7
18.	Unit Operations 2	5	3	2	1	7
19.	Chemical Engineering Thermodynamics	5	3	3	0	8
20.	Chemical Reaction Engineering 1	5	3	3	0	7
21.	Petroleum Refining Processes	5	4	2	1	8
22.	Chemical Engineering Calculations	6	3	0	2	6
23.	Petroleum Products	6	4	0	3	8
24.	Primary Petrochemicals Production Processes	6	4	2	1	8
25.	Natural Gas Processing and Application	6	4	1	2	8
26.	Alternative Fuels	7	2	0	2	5
27.	Secondary Petrochemicals Production Processes	7	4	2	1	7
28.	Election Block 4	7	3	0	3	6
	Instrumental Methods of Analysis in Oil-petrochemical Industry					
	Liquefied Natural Gas					

29.	Election Block 5	7	3	3	0	6
	Optimization of Petroleum Refining					
	Combustion Processes					
30.	Election Block 6	7	3	0	3	6
	Waste Gas Treatment Technology					
	Environmental Management in Oil and Petrochemical Industry					
31.	Sustainable Development and Industrial Systems	8	3	0	2	5
32.	Applied Software Engineering	8	3	0	2	5
33.	Election Block 7	8	2	1	0	3
	Management of Industrial Production					
	Small Production Systems					
34.	Practice	8				2
35.	Preparation and Defense of Bachelor Thesis	8				15