

CURRICULUM - 1st Year of study

No.	Course unit name	Code (Type): DF, DD, DS, DC ¹	Contact hours per week				Number of hours per semester				ECTS credits	Assessment forms
			C	S	L	P	CH/sem			IS/sem		
							C	S,L,P	Total			
A. COMPULSORY (C) AND OPTIONAL (O) COURSES												
1st SEMESTER												
1	Raw materials and products in the petroleum refining industry	DF	3	-	3	-	42	42	84	24	6	E1
2	Modern technologies for petroleum refining	DF	3	-	3	-	42	42	84	60	8	E1
3	Lubricants and additives	DF	3	-	2	-	42	28	70	38	6	E1
4	Technologies for alternative fuels manufacturing <i>X</i>	DS	3	-	2	-	42	28	70	38	6	E1
	Non-conventional separation processes	DS										
5	Professional practice 1	DS	-	-	-	-	-	56	56	16	4	V1
TOTAL			12	-	10	-	168	196	364	176	30	
2nd SEMESTER												
6	Petrochemicals and fine chemicals synthesis	DF	3	-	2	-	42	28	70	38	6	E2
7	Modern analytic methods in the oil refining industry	DS	2	-	2	-	28	28	56	16	4	V2
8	Process modeling, simulation and optimization	DD	2	2	-	-	28	28	56	34	5	E2
9	Thermal integration, energy efficiency, and utility systems	DD	3	2	-	1	42	42	84	24	6	E2
10	Bio-resources	DS	2	-	2	-	28	28	56	34	5	E2
	Risk engineering in petroleum processing industry <i>X</i>	DS										
11	Professional practice 2	DS	-	-	-	-	-	42	42	30	4	V2
TOTAL			12	4	6	1	168	196	364	176	30	

¹DF - Fundamental course unit; DD - Domain course unit; DS - Speciality course unit; DC - Complementary course unit

CH/week - Contact hours per weeks; CH/sem - Contact hours per semester; IS/sem. - estimated number of individual study hours per week

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