



UNIVERSITY OF NOVI SAD  
 FACULTY OF TECHNOLOGY NOVI SAD  
 21000 Novi Sad, Bul cara Lazara 1



## MAS CHEMICAL ENGINEERING

### Module: OIL-PETROCHEMICAL ENGINEERING

No.	Course	Semester	Course Status	Active teaching			ECTS
				Lectures	Exercises	OFL	

#### FIRST YEAR

1.	Engineering Statistics	1.	C	3	0	3	7
2.	Elective block 1	1.	E	3	0-1	3 (0-1)	7
3.	Vocational Practice	1.	E	0	0	6	3
4.	Master's thesis – Study and Research Work	1.	C	0	0	8	12
5.	Elective block 2	2.	E	3	0	3	7
6.	Elective block 3	2.	E	3	1	3	7
7.	Elective block 4	2.		3	1-3	0-3 (0-1)	7
8.	Master's thesis – Preparation and Defence	2.	C	0	0	10	10

#### ELECTIVE BLOCK 1 (choose 1 out of 3)

2.1.	Sustainable Development and Energy Efficiency	1.	E	3	1	3	7
2.2.	Environmental Catalysis	1.	E	3	0	3 (1)	7
2.3.	Circular Management of Resources and Waste	1.	E	3	0	3 (1)	7

#### ELECTIVE BLOCK 2 (choose 1 out of 3)

5.1.	Neural Networks in Chemical Engineering	2.	E	3	0	3	7
5.2.	Conversion processes for residue and heavy oil processing	2.	E	3	0	3	7
5.3.	Applied mathematics in petroleum industry	2.	E	3	0	3	7

#### ELECTIVE BLOCK 3 (choose 1 out of 2)

6.1.	Industrial Information Systems	2.	E	3	1	3	7
6.2.	Simulation and Control in Petroleum Industry	2.	E	3	1	3	7
6.3.	Cogeneration Plants and Ecological Aspects of Their Application	2.	E	3	1	3	7



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### ELECTIVE BLOCK 4 (choose 1 out of 3)

7.1.	Energy Monitoring and Analysis	2.	E	3	3	0 (1)	7
7.2.	Monomers and Polycondensation Components	2.	E	3	1	3	7
7.3.	Application of Hydrogen and Synthetic Gaseous Fuels	2.	E	3	1	3	7

Total ECTS Credits

60

### COURSE STATUS:

C – Compulsory

E – Elective

OFL – Other Forms of Lectures