



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



MAS CHEMICAL ENGINEERING

Module: ECO-ENERGY 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	0-3	7
6./7.	Elective block 3	2.	E	6	0-6	0-6 (2)	14
8.	Master's thesis – Preparation and Defence	2.	C	0	0	10	10

ELECTIVE BLOCK 1 (choose 1 out of 3)

4.1.	Sustainable Development and Energy Efficiency	1.	E	3	1	3	7
4.2.	Environmental Catalysis	1.	E	3	0	3 (1)	7
4.3.	Circular Management of Resources and Waste	1.	E	3	0	3 (1)	7

ELECTIVE BLOCK 2 (choose 1 out of 4)

5.1.	Neural Networks in Chemical Engineering	2.	E	3	0	3	7
5.2.	Optimization of Technological Processes	2.	E	3	2	1	7
5.3.	Chemicals Management	2.	E	3	3	0	7
5.4.	Environment Impact Assessment	2.	E.	3	3	0	7

ELECTIVE BLOCK 3 (choose 2 out of 6)

6.1.	Modeling and Optimization in Energy Engineering	2.	E	3	3	0 (1)	7
6.2.	Mathematical Modeling of Technological Processes	2.	E	3	0	3 (1)	7
6.3.	Risk Assessment	2.	E	3	3	0 (1)	7
6.4.	Separation Processes	2.	E	3	0	3 (1)	7
6.5.	Clean Energy Technologies and Energy Storage	2.	E	3	3	0 (1)	7
6.6.	Energy Monitoring and Analysis	2.	E	3	3	0 (1)	7



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MAS CHEMICAL ENGINEERING

Total ECTS Credits

60

COURSE STATUS:

C – Compulsory

E – Elective

OFL – Other Forms of Lectures