



MAS CHEMICAL ENGINEERING

Module: CHEMICAL PROCESS 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	3	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	0-2	1-3	7
6./7.	Elective block 3	2.	E	6	0-6	0-6 (1-2)	14
8.	Master's thesis – Preparation and Defence	2.	C	0	0	10	10
ELECTIVE BLOCK 1 (choose 1 out of 2)							
2.1.	Transport Phenomena	1.	E	3	0	3	7
2.2.	Artificial intelligence and data systems	1.	E	3	0	3	7
ELECTIVE BLOCK 2 (choose 1 out of 2)							
5.1.	Process Analysis and Simulation	2.	E	3	0	3	7
5.2.	Optimization of Technological Processes	2.	E	3	2	1	7
ELECTIVE BLOCK 3 (choose 2 out of 6)							
6./7.1.	Process Systems Engineering	2.	E	3	1	3	7
6./7.2.	Multiphase Chemical Reactors	2.	E	3	3	0 (1)	7
6./7.3.	Energy Monitoring and Analysis	2.	E	3	3	0 (1)	7
6./7.4.	Risk Assessment	2.	E	3	3	0 (1)	7
6./7.5.	Separation Processes	2.	E	3	0	3 (1)	7
6./7.6.	Mathematical Modeling of Technological Processes	2.	E	3	0	3 (7)	7
Total ECTS Credits							60



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COURSE STATUS:

C – Compulsory

E – Elective

OFL – Other Forms of Lectures