II LEVEL STUDY, MASTER PROGRAMME FIELD OF STUDY: CHEMICAL AND PROCESS ENGINEERING Applied Chemical Engineering

Elective courses:
Statistical thermodynamics in molecular modeling 2w (2 ECTS)
Materials used in chemical unit operation
2w (2 ECTS)

Microwaves and other advanced thermal technologies in chemical engineering - 2w (2 ECTS) New concepts and solutions in chemical engineering 2w (2 ECTS)

Hours	24 h / 30 ECTS / 3E	24 h / 30 ECTS / 1E	24 h / 30 ECTS / 1E
26			
25			
24	Chemical nanoengineering E	Principles of business 2w (3 ECTS)	Electives
23	2w + 1s (3 + 1) ECTS		2w (2 ECTS)
22		Biotechnology process engineering	Management of quality in chemical enterprise
21	Modern methods of liquid separation	1w + 2l (2 + 2) ECTS	2w (3 ECTS) E
20	1w + 2l (2 + 2) ECTS		Philosophy of science and technology 1w (2 ECTS)
19		Multiphase systems in chemical processes	Economics of production processes
18	Software for simulation and design of chemical	2w (3 ECTS)	1w + 2l (1 + 2) ECTS
17	systems 21 (2 ECTS)	Process modeling in chemical engineering	
16	Advanced engineering graphics	1w + 2l (1 + 2) ECTS	Sports 1c (1 ECTS)
15	21 (3 ECTS)		Graduate laboratory II
14		reserve see Freezes	14l (9 ECTS)
13	2w + 2l (3 + 2) ECTS	1w + 31 (2 + 3) ECTS	
12	_		
11			
10	Transport phenomena in chemical processes E	Computer simulations in designing materials	
9	2w (3 ECTS)	for chemical processes 1w + 2l (2 + 2) ECTS	
8	Renewable energy sources		
6	1w + 1s (2 + 1) ECTS Mathematical and statistical methods in chemical	Industrial waste menagement E 2w (3 ECTS)	
5	engineering	Foreign language I 1c (1 ECTS)	1
4	1w + 21 (2+2) ECTS	Graduate laboratory I	
3	Foreign language II	41 (4 ECTS)	
2	3c (2 ECTS)	(. 2010)	
1	(2 20 10)		Graduate seminar - and thesis preparation
_			1s (10 ECTS)
Sem.	I	II	III

Allowable deficit of ECTS credits after each semester 15 credits