Enclosure 3a: Model Part-Time Study Plan for the Master program Chemistry Field of study Applied Chemistry (commencement in winter semester) AFB 03.05.2022

SWS	1. Semester (WS)	2. Semester (SS)	3. Semester (WS)	4. Semester (SS)
1	Inorg. Synt. Chem II 1 V (2 CP)	Inorganic Structural Chemistry II 3 V/U (4 CP)	Surface Analysis 2 V (3 CP)	Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)
2				
3				
4	Practical Course in Advanced Organic Chemistry 7 P (5 CP)	Practical Course on Inorganic Chemistry 3 P (2 CP)	Practical Course on Physical Chemistry Master 4 P (4 CP)	
5				
6				
7		Design of Organic Synthesis 2 V 1 U (3 CP)	Physical Chemistry of Colloids and Interfaces 2V (3 CP)	Mandatory Electives A (4 CP)
8				
9	Instrumental Analysis I 1 V (2 CP)		Chemical Reaction Engineering 2 V (3 CP)	
10	Practical Course on Instrumental Analysis 3 P (2 CP)			Mandatory Electives B (6 CP)
11		Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)	Elective Module Cross-Cutting Topics of Modern Chemistry 2 SWS (2 CP)	
12				
13	Sem. Inorg. & Analyt.Chem. 1 S (1 CP)			
14	Mandatory Seminar Synthesizing Methods 2 S (3 CP)			
15				
SWS:	15	13	12	14
CP:	15	13	15	17

SWS	5. Semester (WS)	6. Semester (SS)	7. Semester (WS)	
1	Mandatory Electives B (5 CP)	Mandatory Practical Course I 5 P (5 CP)	Master Thesis + Colloquium (30 CP) 6 Month	
2				
3				
4				
5	Mandatory Electives A (7 CP)			
6				
7				
8				
9				
10		Mandatory Practical Course II 12 P (10 CP)		
11				
12	Practical Research Course in the Sciencepool 5 P (3 CP)			
13				
14				
15				
16				
17				
18				
SWS:	15	17	28	**Σ 115**
CP:	15	15	30	**Σ 120**

SWS: Semester hours per week ; CP: Credit Point im European Credit Transfer and Accumulation System (ECTS)

Enclosure 3b: Model Part-Time Study Plan for the Master program Chemistry Field of study Polymer Chemistry (commencement in winter semester) AFB 03.05.2022

SWS	1. Semester (WS)	2. Semester (SS)	3. Semester (WS)	4. Semester (SS)
1	Inorg. Synt. Chem II 1 V (2 CP)	Inorganic Structural Chemistry II 3 V/Ü (4 CP)	Surface Analysis 2 V (3 CP)	Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)
2				
3				
4	Practical Course in Advanced Organic Chemistry 7 P (5 CP)	Practical Course on Inorganic Chemistry 3 P (2 CP)	Practical Course on Physical Chemistry Master 4 P (4 CP)	
5				
6				
7		Design of Organic Synthesis 2 V 1 U (3 CP)	Physical Chemistry of Colloids and Interfaces 2V (3 CP)	Polymers at Interfaces 1 V (2 CP)
8				Modern Polymeric Materials 1 V (1 CP)
9	Instrumental Analysis I 1 V (2 CP)		Chemical Reaction Engineering 2 V (3 CP)	Elective Module Cross-Cutting Topics of Modern Chemistry 2 SWS (2 CP)
10				
11	Practical Course on Instrumental Analysis 3 P (2 CP)	Macromolecular Kinetics and Reaction Engineering 3 V/U (3 CP)	Modern Aspects in Polymer Chemistry 2 V (3 CP)	Practical Research Course in the Sciencepool 5 P (3 CP)
12				
13	Sem. Inorg. & Analyt.Chem. 1 S (1 CP)			
14	Mandatory Seminar Synthesizing Methods 2 S (3 CP)	Modeling and Simulation in Polymer Reaction Engineering 2 V/U (2 CP)		
15				
SWS:	15	14	12	15
CP:	15	14	16	15

SWS	5. Semester (WS)	6. Semester (SS)	7. Semester (WS)	
1	Physical Chemistry of Polymers 3 V (4 CP)	Practical Course on Polymers I 5 P (5 CP)	Master Thesis + Colloquium (30 CP) 6 month	
2				
3				
4	Pract. Course 'PC Polymers' 1 P (1 CP)			
5				
6	Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)			
7				
8				
9				
10		Practical Course on Polymers II 12 P (10 CP)		
11				
12	Plastics Processing I & II 6 V/Ü (6 CP)			
13				
14				
15				
16				
17				
18				
SWS:	14	17	28	**Σ 115**
CP:	15	15	30	**Σ 120**

SWS: Semester hours per week ; CP: Credit Point im European Credit Transfer and Accumulation System (ECTS)