

Curriculum of the Master Program in Chemistry (translated)

Short	Module	Responsible	Sem.	SWS*	Examination (1/2/3 Sem.)	Credits
Compulsory Subjects						30
MChP1	Structure and Reactivity	Eujen	1/2	7	2 Written Exam (1/1/0)	10
MChP2	Natural Products and Macromolecules	Piepersberg	1/2	6	3 Written Exam (2/1/0)	10
MChP3	Dynamics, Spectroscopy and Calculation of Molecular Structures	Jensen	1/2	7	1 Written Exam (0/1/0), Tutorial	10
Elective Subject 1 – "Synthesis and Properties of Active Ingredients and Functional Materials"						40 out of 50
MChS11	Modern Synthetic Methods	Altenbach	2/3	10	1 Written Exam (0/0/1), PL	10
MChS12	Active Ingredients	Piepersberg	2/3	9	1 Written Exam (0/0/1), PL	10
MChS13	Soft Matters	Scherf	2/3	10	1 Written Exam (0/0/1), PL	10
MChS14	Molecular Materials and Solid Compounds	Willner	2/3	10	1 Written Exam (0/0/1), PL	10
MChS15	Special Lab Course	Altenbach	3	9	Lab Performance (PL)	10
Elective Subject 2 – "Molecular Environmental Chemistry"						40 out of 50
MChS21	Water Chemistry and Technology	Gaeb	2/3	9	1 Written Exam (0/0/1), PL	10
MChS22	Atmospheric Chemistry	Benter	2/3	9	1 Written Exam (0/1/0), PL	10
MChS23	Analytical Chemistry	Gaeb	2/3	8	1 Written Exam (0/0/1), PL	10
MChS24	Production Integrated Pollution Control (PIUS)	Kling	2/3	6	1 Written Exam (0/0/1), Presentation	10
MChS25	Special Lab Course	Benter	3	9	Lab Performance (PL)	10
Optional Subjects						20
	Module from same Elective Subject (max. 10 Credits)	<i>or</i>				
	Module from alternative Elective Subject	<i>or</i>				
	Module from the Combinatorial Bachelor of Arts	<i>or</i>				
	Module from Food Chemistry	<i>or</i>				
	Module from other scientific programs	<i>or</i>				
	Module from engineering programs	<i>or</i>				
	Module from business programs					
Master-Thesis						30
MChTh	Master Thesis and Master Seminar	Gäb	4		Thesis, Oral Presentation	30

* SWS = hours per week during the lecture period