

STUDIENKOMMISSION MCT



Vorstellung der **Änderungen** in Chemiestudien
22. Mai 2019 17.30 Uhr

AGENDA

- Änderungen in den Chemiestudien **Versuch zur Vermeidung von Terminkonflikten und Erhöhung des Studiendurchsatzes**
- Änderungen im Masterstudium **Management in Chemical Technologies**
- Example **Chemical Technology of Inorganic Materials**

„DESIGN RULES“

- Vorlesungen Vormittags
- Praktika Nachmittags
- Kein Überlapp für den idealtypischen Studienverlauf (ITSV)
- LVAs konzentriert in einer Semesterhälfte anbieten
- Wechselseitiges Angebot z.B. 1./2. Hälfte AT/OT
- Angebot Praktika Vorrang ITSV - aber auch schiefsemestrig

Annex 1: Global map of study subjects - Master's Program Management in Chemical Technologies (MCT) (2019)

1 st Semester (WS)		2 nd Semester (SS)		3 rd Semester (WS)		4 th Semester (WS)	
Subject/Course	ECTS	Subject/Course	ECTS	Subject	ECTS	Subject	ECTS
Chemical Process Engineering Advanced Chemical Process Engineering	3	Chemical Process Engineering Advanced Chemical Reaction Engineering Basic Plant Design and Engineering	4.5	Chemical Process Engineering Lab Course in Advanced Process Engineering	3	Master's Thesis	21
Chemical Technologies of Inorganic Materials Advanced Inorganic Materials Inorganic Materials in High-Tech Applications Lab Course in Advanced Inorganic Technology	11	Chemical Technologies of Organic Materials Advanced Organic Technology 1 Advanced Organic Technology 2 Lab Course in Advanced Organic Technology	11	Chemical Technologies of Inorganic Materials Safety Engineering	3		
				Global Management and Law	3		
Advanced Chemical Technology and Process Engineering	1.5	Advanced Chemical Technology and Process Engineering	1.5	Management Advanced Managerial Accounting for Engineers International Marketing for Engineers International Finance for Engineers	9		
Management Basics Financial Accounting and Sustainability Accounting Management and Marketing	12	Global Management and Law Excursion to Industry	0.5				
		Management Advanced Cross Cultural Management for Engineers Environmental, Resource and Quality Management for Engineers	6				
		Electives	1.5	Electives	7.5	Master's Thesis Seminar / Master's Examination	6
Electives	3	Free Electives	4.5	Free Electives	4.5	Free Electives	3
30.5		29.5		30		30	

2. Sem.	08:30-09:15	09:15 -10:00	10:15-11:00	11:00-11:45	12:00-12:45	12:45-13:30	13:45-14:30	14:30-15:15	15:30-16:15	16:15-17:00	17:15-18:00
Montag	347358 Support proseminar with Exercises for Organic Chemistry 1		349111 Chemical Thermodynamics (englisch)	377029 Exercises in Physics for Chemistry (Group I)	377030 Exercises in Physics for Chemistry (Group II)	377031 Exercises in Physics for Chemistry (Group III)	Lab Course in General (März) and Analytical (April-Juni) Chemistry				
Dienstag	323046 Mathematics for Chemistry II		348401 Inorganic Chemistry II				Lab Course in General (März) and Analytical (April-Juni) Chemistry				
Mittwoch	349110 Chemical Thermodynamics (englisch)		347312 Organic Chemistry I				Lab Course in General (März) and Analytical (April-Juni) Chemistry				
Donnerstag	Applications of Mathematics in Chemistry with Exercises II		345115 Analytical Chemistry I			348401 Inorganic Chemistry II		377012 Physics for Chemistry in HS 8			
Freitag			377012 Physik (Tutorium)	347312 Organic Chemistry I			345115 Analytical Chemistry I		345115 Analytical Chemistry I		

2. Sem.	08:30-09:15	09:15 -10:00	10:15-11:00	11:00-11:45	12:00-12:45	12:45-13:30	13:45-14:30	14:30-15:15	15:30-16:15	16:15-17:00	17:15-18:00
Montag	347358 Support proseminar with Exercises for Organic Chemistry 1		349111 Chemical Thermodynamics (englisch)	377029 Exercises in Physics for Chemistry (Group I)	377030 Exercises in Physics for Chemistry (Group II)	377031 Exercises in Physics for Chemistry (Group III)	Lab Course in General (März) and Analytical (April-Juni) Chemistry				
Dienstag	323046 Mathematics for Chemistry II		348401 Inorganic Chemistry II				Lab Course in General (März) and Analytical (April-Juni) Chemistry				
Mittwoch	349110 Chemical Thermodynamics (englisch)		347312 Organic Chemistry I				Lab Course in General (März) and Analytical (April-Juni) Chemistry				
Donnerstag	Applications of Mathematics in Chemistry with Exercises II		345115 Analytical Chemistry I				348401 Inorganic Chemistry II	377012 Physics for Chemistry in HS 8			
Freitag			377012 Physik (Tutorium)	347312 Organic Chemistry I			345115 Analytical Chemistry I		345115 Analytical Chemistry I		

3. Sem.	08:30-09:15	09:15-10:00	10:15-11:00	11:00-11:45	12:00-12:45	12:45-13:30	13:45-14:30	14:30-15:15	15:30-16:15	16:15-17:00	17:15-18:00	18:00-18:45
Montag	Support proseminar with Exercises for Organic Chemistry 2		346202 Physical Chemistry I 317010 Electrochemistry	346275 Tutorien Exercises in Physical Chemistry I			347302 NMR Spectroscopy 347305 Interpretation of NMR Spectra and Structure Elucidation of Organic Molecules	347302 NMR Spectroscopy 347303 Interpretation of NMR Spectra and Structure Elucidation of Organic Molecules	347336 In-depth Fundamentals in Organic Chemistry			
Dienstag	346275 Exercises in Physical Chemistry I 347302 Spectroscopy and Structure Elucidation I	346276 Exercises in Physical Chemistry I 347302 Spectroscopy and Structure Elucidation I	346202 Physical Chemistry I 317010 Electrochemistry		347306 Lab Course in Preparative Organic Chemistry 1 (Blocktermin)					347302 NMR Spectroscopy		
Mittwoch	317003 (1) Data Processing in Chemistry	317003 (2) Data Processing in Chemistry	317070 Materials Characterisation									
Donnerstag			345144 Instrumental Analytical Chemistry	346276 Tutorien Exercises in Physical Chemistry I			347302 NMR Spectroscopy					
Freitag	347308 Organic Chemistry 2		345144 Instrumental Analytical Chemistry			346444 Literature Searching, Publishing and Patents						

4. Sem.	08:30-09:15	09:15-10:00	10:15-11:00	11:00-11:45	12:00-12:45	12:45-13:30	13:45-14:30	14:30-15:15	15:30-16:15	16:15-17:00	17:15-18:00
Montag	Fundamentals of Inorganic Materials (nur 1. Semesterhälfte)		346218 Physical Chemistry II		346271 Exercises in Physical Chemistry II	Slot für Lab Course in Preparative Organic Chemistry 2 (individuell) (Dauer 1 Monat, auch am Mittwochnachmittag) und Lab Course Electrochemistry (Dauer 1 Woche, auch am Mittwochnachmittag)					
Dienstag	346271 Exercises in Physical Chemistry II	346272 Exercises in Physical Chemistry II	Fundamentals of Inorganic Materials (nur 1. Semesterhälfte)		Slot für Lab Course in Preparative Organic Chemistry 2 (individuell) (Dauer 1 Monat, auch am Mittwochnachmittag) und Lab Course Electrochemistry (Dauer 1 Woche, auch am Mittwochnachmittag)						
Mittwoch	349201 Lab Course in Physical Chemistry (Beginn: nach Lab Course Electrochemistry und Lab Course in Preparative Organic Chemistry, Dauer: 6 Wochen mit 12 Versuchen möglich) 08:00 - 17:00										
Donnerstag				384000 Chemical Kinetics - Catalysis	346272 Exercises in Physical Chemistry II	Slot für Lab Course in Preparative Organic Chemistry 2 (individuell) (Dauer 1 Monat, auch am Mittwochnachmittag) und Lab Course Electrochemistry (Dauer 1 Woche, auch am Mittwochnachmittag)					
Freitag				384000 Chemical Kinetics - Catalysis	384001 Exercises in Chemical Kinetics und Catalysis	384002 Exercises in Chemical Kinetics und Catalysis					
Individuelle Termine: 347315 Lab Course in Preparative Organic Chemistry 2 - Prof. Müller											

5. Sem.	08:30-09:15	09:15 -10:00	10:15-11:00	11:00-11:45	12:00-12:45	13.00-13:30	13:45-14:30	14:30-15:15	15:30-16:15	16:15-17:00	17:15-18:00
Montag	Chemical Process Engineering ???				Slot für Basic Lab Courses in Technology (1. Hälfte des Semesters) 345119 Lab Course in Instrumental Analysis (2. Hälfte des Semesters)						
	376018 Chemical Reaction Engineering	376008 Exercises in Polymer Chemistry	376005 Exercises in Polymer Chemistry		Slot für Basic Lab Courses in Technology (1. Hälfte des Semesters) 345119 Lab Course in Instrumental Analysis (2. Hälfte des Semesters)						
Mittwoch	Reserviert für ev. 4. Gruppe Exercises in Polymer Chemistry	376009 Exercises in Polymer Chemistry	318112 Organic Technology								
Donnerstag	318112 Organic Technology		376004 Exercises in Chemical Reaction Engineering		Slot für Basic Lab Courses in Technology (1. Hälfte des Semesters)						
Freitag	376002 Polymer Chemistry		376006 Scientific Writing and Presenting								

6. Sem.	08:30-09:15	09:15 -10:00	10:15-11:00	11:00-11:45	12:00-12:45	12:45-13:30	13:45-14:30	14:30-15:15	15:30-16:15	16:15-17:00	17:15-18:00	18:00-18:45
Montag	Chemical Process Engineering						347342 Biochemistry		Vorschlag Legislation for Chemists			
Dienstag					Basic Lab Course Chemical Process Engineering März/April							
	348419 Lab Course in Inorganic Chemistry 09:00 - 18:00 Uhr Mai/Juni											
Mittwoch	348419 Lab Course in Inorganic Chemistry 09:00 - 18:00 Uhr Mai/Juni											
				Basic Lab Course Chemical Process Engineering März/April								
Donnerstag					Basic Lab Course Chemical Process Engineering März/April							
	348419 Lab Course in Inorganic Chemistry 09:00 - 18:00 Uhr Mai/Juni											
Freitag	Vorschlag Legislation for Chemists						318008 Biotechnology (Blocktermin)					

		Oct-19				Nov-19						Dec-19			Jan-20	
		B1	B2	B3	B4	B3	B4	M1	M2	E1	E2	M1	E1	E2	M1	M2
Mon	7	Intro				4						2			6	
Tue	8					5						3			7	P
Wed	9					6						4			8	
Thu	10					7						5			9	
Mon	14					11						9			13	
Tue	15					12						10			14	
Wed	16					13						11			15	
Thu	17					14	EIS					12			16	
Mon	21					18						16			20	
Tue	22					19						17			21	
Wed	23					20						18			22	
Thu	24	EIS				21						19			23	
Mon	28					25		Intro				23			27	
Tue	29					26			Intro			24			28	
Wed	30					27						25			29	
Thu	31					28						26			30	P

BSc. Lab course inorganic technology: **codename B**; lab time: 12:00 - 17:00

MSc. Lab course advanced inorganic technology: **codename M**; lab time: 12:00 - 17:00

BSc. Lab course Electrochemistry: **codename E**; lab time: 13:00 - 17:00

Day / Time	Monday	Tuesday	Wednesday	Thursday	Friday
08:30 - 09:15	MSc IMHTA	MSc IMHTA	BSc DPC I	MSc CTFT	
09:15 - 10:00			BSc DPC II		
10:15 - 11:00		BSc Electrochem + MSc AIM	BSc Mater Charact		MSc Seminar TIM
11:00 - 11:45					
12:00 - 13:00	Lab B, M				
13:00 - 17:00	Lab B, M, E				
17:15 - 18:00	MSc Sicherheits- technik				
18:00 - 18:45					

BSc. - Lab course inorganic technology: **codename B**; lab time: 12:00 - 17:00

MSc. - Lab course advanced inorganic technology: **codename M**; lab time: 12:00 - 17:00

BSc. - Lab course Electrochemistry: **codename E**; lab time: 13:00 - 17:00

