



# CURRICULUM

Study Type	Master
Study Language	English
Faculty	Faculty of Chemical Technology
Study programme	Chemistry and Technology
Study sub-programme	Applied Chemistry (focus on Inorganic, Organic or Macromolecular Chemistry)
Year	2017/2018



## Organization of the academic year 2017/2018

The academic year **2017/2018** starts on **11th September 2017** and ends on **7th September 2018**

### Structure of the academic year

<b>Winter semester (WS)</b>	
The dates of registration for the summer semester will be organized by the Dean´s office of the respective faculty no later than by <b>29th September 2017</b> .	
Lectures, seminars, laboratory work:	18. 9. – 22. 12. 2017
Assessment period:	2. 1. – 16. 2. 2018

<b>Summer semester (SS)</b>	
The dates of registration for the summer semester will be organized by the Dean´s office of the respective faculty no later than <b>2nd March 2018</b>	
Lectures, seminars, laboratory work:	19. 2. – 25. 5. 2018
Assessment period:	28. 5. – 29. 6. 2018 27. 8. – 7. 9. 2018

The lessons start no earlier than at 8:00 a.m. The lessons always start on the hour, the duration of one lesson is 50 minutes.

The Rector´s Days: **20. 11. and 24. 11. 2017**

The Students´ Scientific Conference: 20. 11. 2017  
Open Days: 24. 11. and 25. 11. 2017  
19. 1. and 20. 1. 2018

### Enrolment in compulsory-optional and optional courses and registration for timetable

Enrolment in compulsory-optional and optional courses for WS ( <b>I. year of study</b> )	At the Dean ´s office during Enrollment day or 8. 9. – 15. 9. 2017
Registration for the timetable for WS:	8. 9. – 15. 9. 2017
Preliminary enrolment in compulsory-optional and optional courses SS:	23. 11. – 1. 12. 2017
Registration for the timetable of the SS:	9. 2. -16. 2. 2018
Preliminary enrolment in compulsory-optional and optional courses WS 2018/19:	10. 5. – 18. 5. 2018

### **Important dates for students of II. year of Master studies**

Check of study requirements fulfillment:	by 11. 5. 2018
Submission of Master Diploma Thesis	by 11. 5. 2018
Dates of State Final Examination *:	1. 6. – 8. 6. 2018

\* The exact dates are to be decided by the Dean of the respective faculty.

**The graduation ceremony** for Master degree graduates will be held on **19th June and 21st June 2018.**

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**Abbreviations and their meaning:**

<b>Abbrev. ENG</b>	<b>Abbrev. CZE</b>	
C	Z	credit
MC	KZ	classified credit
Ex	Zk	examination

p	lecture
c	seminar
l	laboratory work

*the numbers preceding an abbreviation indicate number of lessons per week*



Study Programme: **Chemistry and Technology**Study Sub-programme: **Applied Chemistry (focus on Inorganic, Organic or Macromolecular Chemistry)**Code: **APCHEM****1st year - WINTER SEMESTER**

Code	Subject	Department	Study Hours	Exam	Cred
S110012	Organic Synthesis	110	3p+2c	Ex	7
S150001	Laboratory project I	150	10l	Ex	7
S402037	Molecular Modelling	402	1p+2c	Ex	4
<b>Elective subject 1 (choose at least 1 subject(s) from this group)</b>					
S101011	Coordination Chemistry	101	3p+1c	Ex	6
S403006	Chemical Kinetics	403	2p+1c	Ex	4
S403008	Electrochemistry	403	2p+1c	Ex	4
<b>Elective subjects 2, 3, 4 (choose at least 3 subject(s) from this group)</b>					
S105011	Engineering Thermodynamics	105	3p+2c	Ex	7
S110015	Organic Reaction Mechanisms	110	2p+2c	Ex	5
S111020	Technical Catalysis	111	2p+2c	Ex	5
S402005	Atomic Spectroscopy	402	2p+2c	Ex	5
S402020	Theoretical Fundamentals of Analytical Chemistry	402	2p+1c	Ex	4
S402038	Introduction to Molecular Physical Chemistry	402	2p+1c	Ex	4
S402042	Chemometrics in Analytical Chemistry	402	2p+1c	Ex	4
S403018	State Behaviour and Thermodynamic Properties of Fluids	403	3p+2c	Ex	7
S403021	Quantum Chemistry	403	2p+2c	Ex	5

**1st year - SUMMER SEMESTER**

Code	Subject	Department	Study Hours	Exam	Cred
S110013	Retrosynthesis	110	3p+1c	Ex	6
S150002	Laboratory project II	150	10l	MC	7
S403024	Structure and Properties of Molecules	403	3p+1c	Ex	6
<b>Elective subjects 5, 6 (choose at least 2 subject(s) from this group)</b>					
S101009	Crystal Chemistry	101	2p+1c	Ex	3
S112003	Macromolecular Chemistry	112	2p+1c	C+Ex	4
S402016	Bioanalytical Methods	402	2p	Ex	3
S403023	Statistical Thermodynamics	403	3p+1c	Ex	6
<b>Elective subject 7 (choose at least 1 subject(s) from this group)</b>					
S402015	Molecular Spectroscopy	402	2p+1c	Ex	4
S403020	Phase Equilibria	403	3p+2c	Ex	7

**2nd year - WINTER SEMESTER**

Code	Subject	Department	Study Hours	Exam	Cred
S105008	Applied Reaction Kinetics	105	2p+2c	C+Ex	4
S150003	Laboratory project III	150	10l	MC	7
S403038	Processing of Physico-Chemical Data	403	2p+1c	Ex	4
<b>Elective subjects 8, 9, 10 (choose at least 3 subject(s) from this group)</b>					
S110014	Transition Metals in Organic Synthesis	110	3p+1c	Ex	6
S112008	Physical Chemistry of Polymers	112	2p+2c	Ex	5
S402012	Electroanalytical Methods	402	2p+2c	Ex	4
S402014	Methods of Structural and Surface Analysis	402	2p	Ex	3
S403025	Chemical Equilibria	403	3p+2c	Ex	7
S403028	Physical Chemistry of Phase Boundaries	403	2p+1c	Ex	4

**2nd year - SUMMER SEMESTER**

Code	Subject	Department	Study Hours	Exam	Cred
S963008	Diploma Thesis	963	30c	C	30
S963010	Diploma Thesis	963		D	0
S963019	Final state examination	963		1	0