Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Chemistry as a Master's with 1 major

with the degree "Master of Science" (120 ECTS credits)

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2013

Abbreviations used:

Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V** = lecture

Term: **SS** = summer semester, **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: **(L)ASPO** = general academic and examination regulations (for teaching-degree programmes), **FSB** = subject-specific provisions, **SFB** = list of modules

Other: **A** = thesis, **LV** = course(s), **PL** = assessment(s), **TN** = participants, **VL** = prerequisite(s)

Conventions for the modules in this SFB:

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Information on assessment procedures:

Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with the general regulations governing the degree subject described in this module catalogue:

ASPO2009

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

29-Jul-2013 (2013-83)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	**Module title**							
	ECTS		Duration	(in semesters)	Method of grading		Module level	
	Courses	To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of assessment							
	Only after successful completion of	if applicable						
	Other prerequisites	if applicable						
	Participants and allocation of places	if applicable						
	Additional information	if applicable						
	Referred to in LPO I	if applicable (examination regulations for teaching-degree programmes)						

Compulsory Electives (90 ECTS credits)								
Compulsory Electives Focuses (75 ECTS credits) Students must choose three focuses with 25 ECTS credits each.								
Inorganic Chemistry (25 ECTS credits)								
Compulsory Courses (20 ECTS credits)								
08-ACM1-132-m01	**Advanced Inorganic Chemistry**							
	ECTS	10	Duration	2 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 2 written examinations (1 written examination: approx. 120 minutes; 2 written examinations: approx. 90 minutes each) or b) oral examination of one candidate each (30 minutes) or c) oral examination in groups (groups of 2, 45 minutes) Language of assessment: German or English						
08-ACPM-132-m01	**Inorganic Chemistry practical course for advanced**							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	practical work with lab report (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						
Compulsory Electives (5 ECTS credits)								
08-ACM2-102-m01	**Bioinorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-ACM3-102-m01	**Solid state chemistry and inorganic materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						

08-HKM2-102-m01	**Advanced organometallic chemistry and its application in homogeneous catalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
Organic Chemistry (25 ECTS credits)								
Compulsory Courses (15 ECTS credits)								
08-OCM-NMRMS-102-m01	**Advanced NMR- and Mass Spectrometry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes) Language of assessment: German or English					
08-OCM-SYNT-132-m01	**Modern Synthetic Methods**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-OCM-AKP1-122-m01	**Advanced Research Project**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		talk (approx. 15 minutes) and log (approx. 15 to 20 pages) Language of assessment: German or English					

Compulsory Electives (10 ECTS credits)								
08-OCM-NAT-102-m01	**Modern Aspects of Natural Product Chemistry and Biological Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
	Participants and allocation of places		Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.					
08-OCM-FM-102-m01	**Organic Functional Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-HKM1-102-m01	**Organo- and Biocatalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-SCM1-102-m01	**Supramolecular Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English					
08-SCM3-102-m01	**Bioorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					

08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
Physical Chemistry (25 ECTS credits)								
Compulsory Courses (10 ECTS credits)								
08-PCM1a-132-m01	**Laser Spectroscopy**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination (20 minutes) Language of assessment: German or English					
08-PCM1b-132-m01	**Advanced Physical Chemistry (Lab)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 20 working days.					
Compulsory Electives (15 ECTS credits)								
08-PCM4-132-m01	**Ultrafast spectroscopy and quantum-control**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes) Language of assessment: German or English					
	Modules successfully completed		08-PCM1a, 08-PCM1b					
08-PCM2-102-m01	**Chemical Dynamics**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					

08-PCM3-102-m01	**Nanoscale Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					
08-PCM5-102-m01	**Physical chemistry of supramolecular assemblies**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) and/or oral examination of one candidate each (20 minutes) and/or talk (30 minutes) Language of assessment: German or English					
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-TCM1-132-m01	**Theoretical Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-PCM6-132-m01	**Physical Chemistry (Advanced Lab)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 20 minutes) Language of assessment: German or English					
	Modules successfully completed		08-PCM1					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 20 working days.					

Biochemistry (25 ECTS credits)								
Compulsory Courses (15 ECTS credits)								
08-BC-MOLP-111-m01	**Molecular Biology Lab**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Assessment offered: once a year, winter semester Language of assessment: German or English						
	Modules successfully completed	08-BC (module component 08-BC-1 only)						
	Participants and allocation of places	Biochemie (Biochemistry) Bachelor's: 24 places. Chemie (Chemistry) Master's: 6 places. Selection process Biochemie (Biochemistry) Bachelor's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed modules; among applicants with the same average grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available. Selection process Chemie (Chemistry) Master's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): grade of module 08-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.						
08-BC-MOLM-132-m01	**Molecular Biology**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English						

Compulsory Electives (10 ECTS credits)								
08-BCP-092-m01	**Biochemistry Lab**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		pre/post-experiment examination talks (Vortestate and Nachtestate, approx. 15 minutes each), practical work (log, approx. 5 to 10 pages) Assessment offered: once a year, summer semester					
	Modules successfully completed		08-BC					
	Participants and allocation of places		Number of places: 24. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (80% of places): grade achieved in module 08-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (20% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.					
08-ACM2-102-m01	**Bioinorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-OCM-NAT-102-m01	**Modern Aspects of Natural Product Chemistry and Biological Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
	Participants and allocation of places		Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.					
08-HKM1-102-m01	**Organo- and Biocatalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					

<table>
<tr><td>08-PH-KAC-092-m01</td><td colspan="8">Clinical and Analytical Chemistry</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="7">V (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="7">written examination (120 minutes)</td></tr>
<tr><td>08-PH-KACP-092-m01</td><td colspan="8">Clinical and Analytical Chemistry (practical course)</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>(not) successfully completed</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="7">P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="7">examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages)</td></tr>
<tr><td>08-BC-132-m01</td><td colspan="8">Principles of Biochemistry</td></tr>
<tr><td></td><td>ECTS</td><td>6</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 08-BC-1-132: V + Ü (no information on SWS (weekly contact hours) and course language available)
• 08-BC-2-132: V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="7">Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 08-BC-1-132: Principles of Biochemistry 1 Principles of Biochemistry 1
• 3 ECTS, Method of grading: numerical grade
• written examination (approx. 60 to 90 minutes)
Assessment in module component 08-BC-2-132: Principles of Biochemistry 2 Principles of Biochemistry 2
• 3 ECTS, Method of grading: numerical grade
• written examination (approx. 60 to 90 minutes)</td></tr>
<tr><td>08-BC-VPMM-132-m01</td><td colspan="8">Practical course Molecular Machines for advanced students</td></tr>
<tr><td></td><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>graduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="7">P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="7">log (approx. 20 pages) and talk (approx. 15 minutes)
Language of assessment: German or English</td></tr>
<tr><td></td><td colspan="2">Modules successfully completed</td><td colspan="7">08-BC, 08-BCP</td></tr>
<tr><td></td><td colspan="2">Additional Information</td><td colspan="7">Additional information on module duration: block placement with a duration of a minimum of 40 working days.</td></tr>
<tr><td>08-BC-VPPD-132-m01</td><td colspan="8">Practical course Protein Degradation in Eukaryotes for advanced students</td></tr>
<tr><td></td><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>graduate</td></tr>
<tr><td></td><td colspan="2">Courses</td><td colspan="7">P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td colspan="2">Method of assessment</td><td colspan="7">log (approx. 20 pages) and talk (approx. 15 minutes)
Language of assessment: German or English</td></tr>
<tr><td></td><td colspan="2">Modules successfully completed</td><td colspan="7">08-BC, 08-BCP</td></tr>
<tr><td></td><td colspan="2">Additional Information</td><td colspan="7">Additional information on module duration: block placement with a duration of a minimum of 40 working days.</td></tr>
</table>

08-BC-VPRB-132-m01	**Practical course RNA Biochemistry for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed		08-BC, 08-BCP					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					
08-BC-VPSB-132-m01	**Practical course Structural Biology for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed		08-BC, 08-BCP					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation with discussion (approx. 30 minutes) Language of assessment: German or English					
Functional Materials (25 ECTS credits)								
Compulsory Courses (20 ECTS credits)								
08-OCM-FM-102-m01	**Organic Functional Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-FMM-MP-102-m01	**Lab Course Materials Science**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical performance, log (5 to 10 pages) Language of assessment: German or English					

08-FMM-PA-102-m01	**Project Work**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		talk (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English					
08-FS1-122-m01	**Material Science 1 (basic introduction)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
Compulsory Electives (5 ECTS credits)								
08-ACM3-102-m01	**Solid state chemistry and inorganic materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-SCM1-102-m01	**Supramolecular Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English					
08-PCM3-102-m01	**Nanoscale Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					
03-PM2-122-m01	**Polymers II**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes) Language of assessment: German or English					

08-NT-122-m01	**Chemically and bio-inspired Nanotechnology for Material Synthesis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. • 08-NT-1-122: V (no information on SWS (weekly contact hours) and course language available) • 08-NT-2-122: V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. **Assessment in module component 08-NT-1-122:** Sol-Gel Chemistry 1: Fundamentals • 2 ECTS, Method of grading: numerical grade • a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) **Assessment in module component 08-NT-2-122:** From Biomineralisation to biologically inspired Materials Synthesis • 3 ECTS, Method of grading: numerical grade • a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)						
03-FU-PM1-122-m01	**Polymer Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. • 03-FU-PM1-1-122: V (no information on SWS (weekly contact hours) and course language available) • 03-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. **Assessment in module component 03-FU-PM1-1-122:** Polymer Chemistry (Lecture) • 3 ECTS, Method of grading: numerical grade • a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) • Language of assessment: German, English if agreed upon with the examiner **Assessment in module component 03-FU-PM1-2-122:** Polymer Chemistry (Practical course) • 2 ECTS, Method of grading: (not) successfully completed • Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each) • Assessment offered: once a year, summer semester • Language of assessment: German, English if agreed upon with the examiner						
08-FS2-122-m01	**Material Science 2 (the material groups)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English						

08-FMM-CT-132-m01	**Molecular Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) and examination: a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total)					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
Homogeneous Catalysis (25 ECTS credits)								
Compulsory Courses (20 ECTS credits)								
08-HKM2-102-m01	**Advanced organometallic chemistry and its application in homogeneous catalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-HKM1-102-m01	**Organo- and Biocatalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-HKM3AC-132-m01	**Practical course Homogeneous catalysis in Inorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 20 working days.					
08-HKM3OC-132-m01	**Practical course Homogeneous catalysis in Organic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 20 working days.					

<table>
<tr><th colspan="9">Compulsory Electives (5 ECTS credits)</th></tr>
<tr><td rowspan="4">08-PCM2-102-m01</td><td colspan="8">Chemical Dynamics</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>graduate</td></tr>
<tr><td colspan="3">Courses</td><td colspan="6">S + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="3">Method of assessment</td><td colspan="6">written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes)
Language of assessment: German or English</td></tr>
<tr><td rowspan="4">08-HKM4-102-m01</td><td colspan="8">Advanced transition metal chemistry</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>graduate</td></tr>
<tr><td colspan="3">Courses</td><td colspan="6">S (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="3">Method of assessment</td><td colspan="6">a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course.
Language of assessment: German or English</td></tr>
<tr><td rowspan="4">03-FU-PM1-122-m01</td><td colspan="8">Polymer Chemistry</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="3">Courses</td><td colspan="6">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 03-FU-PM1-1-122: V (no information on SWS (weekly contact hours) and course language available)
• 03-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="3">Method of assessment</td><td colspan="6">Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 03-FU-PM1-1-122: Polymer Chemistry (Lecture)
• 3 ECTS, Method of grading: numerical grade
• a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)
• Language of assessment: German, English if agreed upon with the examiner
Assessment in module component 03-FU-PM1-2-122: Polymer Chemistry (Practical course)
• 2 ECTS, Method of grading: (not) successfully completed
• Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each)
• Assessment offered: once a year, summer semester
• Language of assessment: German, English if agreed upon with the examiner</td></tr>
</table>

08-OCM-SYNT-132-m01	**Modern Synthetic Methods**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
Medicinal Chemistry (25 ECTS credits)								
Compulsory Courses (25 ECTS credits)								
08-MCM1-102-m01	**Practical course medicinal chemistry**							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 20 minutes), assessment of practical performance, written report (approx. 30 to 50 pages) Language of assessment: German or English					
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation with discussion (approx. 30 minutes) Language of assessment: German or English					
08-MCM2-132-m01	**Pharmaceutical/Medicinal Chemistry**							
	ECTS	10	Duration	3 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + V + V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		3 oral examinations of one candidate each (approx. 30 minutes each) Language of assessment: German or English					

Supramolecular Chemistry (25 ECTS credits)								
Compulsory Courses (10 ECTS credits)								
08-SCM1-102-m01	**Supramolecular Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English					
08-SCM2-102-m01	**Supramolecular Chemistry (Practical Course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		practical work, logs (approx. 5 pages each) Language of assessment: German or English					
Compulsory Electives (15 ECTS credits) No less than one of the two modules 08-SCM3 or 08-PCM5 must be completed in the focus.								
08-ACM2-102-m01	**Bioinorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-OCM-FM-102-m01	**Organic Functional Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-SCM3-102-m01	**Bioorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					

08-PCM3-102-m01	**Nanoscale Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					
08-PCM5-102-m01	**Physical chemistry of supramolecular assemblies**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) and/or oral examination of one candidate each (20 minutes) and/or talk (30 minutes) Language of assessment: German or English					
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation with discussion (approx. 30 minutes) Language of assessment: German or English					
Theoretical Chemistry (25 ECTS credits)								
Compulsory Courses (10 ECTS credits)								
08-TCM3-102-m01	**Programming in Theoretical Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		completion and discussion of approx. 5 programming exercises as well as talk (approx. 45 minutes) Language of assessment: German or English					
08-TCM1-132-m01	**Theoretical Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					

Compulsory Electives (15 ECTS credits) Two of the three modules 08-TCAP1, 08-TCAP2 and 08-TCAP3 must be taken.								
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation with discussion (approx. 30 minutes) Language of assessment: German or English					
08-TCAP1-132-m01	**Theoretical Chemistry - Project course wave-packet dynamics**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					
08-TCAP2-132-m01	**Theoretical Chemistry - Project coursewave function based methods**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					
08-TCAP3-132-m01	**Theoretical Chemistry - Project course Computational Photochemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					

Additional qualifications (15 ECTS credits)

Additional qualifications Compulsory Electives Focuses (5 ECTS credits)
Module from the Focuses (Schwerpunkte) area of mandatory electives that has not been used as part of a focus subject (5 ECTS credits).

08-BCP-092-m01	**Biochemistry Lab**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	pre/post-experiment examination talks (Vortestate and Nachtestate, approx. 15 minutes each), practical work (log, approx. 5 to 10 pages) Assessment offered: once a year, summer semester						
	Modules successfully completed	08-BC						
	Participants and allocation of places	Number of places: 24. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (80% of places): grade achieved in module 08-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (20% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.						
08-PCM4-132-m01	**Ultrafast spectroscopy and quantum-control**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) written examination (90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes) Language of assessment: German or English						
	Modules successfully completed	08-PCM1a, 08-PCM1b						
08-ACM2-102-m01	**Bioinorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-ACM3-102-m01	**Solid state chemistry and inorganic materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						

08-HKM2-102-m01	**Advanced organometallic chemistry and its application in homogeneous catalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-OCM-NMRMS-102-m01	**Advanced NMR- and Mass Spectrometry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes) Language of assessment: German or English						
08-OCM-NAT-102-m01	**Modern Aspects of Natural Product Chemistry and Biological Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
	Participants and allocation of places	Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.						
08-OCM-FM-102-m01	**Organic Functional Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-HKM1-102-m01	**Organo- and Biocatalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						

08-SCM1-102-m01	**Supramolecular Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English					
08-SCM3-102-m01	**Bioorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-PCM2-102-m01	**Chemical Dynamics**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					
08-PCM3-102-m01	**Nanoscale Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					
08-PCM5-102-m01	**Physical chemistry of supramolecular assemblies**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) and/or oral examination of one candidate each (20 minutes) and/or talk (30 minutes) Language of assessment: German or English					
08-PH-KAC-092-m01	**Clinical and Analytical Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (120 minutes)					
08-PH-KACP-092-m01	**Clinical and Analytical Chemistry (practical course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages)					

08-FMM-MP-102-m01	**Lab Course Materials Science**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical performance, log (5 to 10 pages) Language of assessment: German or English					
08-FMM-PA-102-m01	**Project Work**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		talk (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English					
08-HKM4-102-m01	**Advanced transition metal chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-MCM1-102-m01	**Practical course medicinal chemistry**							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 20 minutes), assessment of practical performance, written report (approx. 30 to 50 pages) Language of assessment: German or English					
08-SCM2-102-m01	**Supramolecular Chemistry (Practical Course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		practical work, logs (approx. 5 pages each) Language of assessment: German or English					
08-TCM3-102-m01	**Programming in Theoretical Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		completion and discussion of approx. 5 programming exercises as well as talk (approx. 45 minutes) Language of assessment: German or English					

<table>
<tr><td rowspan="5">08-BC-MOLP-111-m01</td><td colspan="8">Molecular Biology Lab</td></tr>
<tr><td>ECTS</td><td>10</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="7">Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="7">a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course.
Assessment offered: once a year, winter semester
Language of assessment: German or English</td></tr>
<tr><td colspan="2">Modules successfully completed</td><td colspan="7">08-BC (module component 08-BC-1 only)</td></tr>
<tr><td colspan="2">Participants and allocation of places</td><td colspan="7">Biochemie (Biochemistry) Bachelor's: 24 places. Chemie (Chemistry) Master's: 6 places. Selection process Biochemie (Biochemistry) Bachelor's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed modules; among applicants with the same average grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available. Selection process Chemie (Chemistry) Master's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): grade of module 08-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.</td></tr>
<tr><td rowspan="4">03-PM2-122-m01</td><td colspan="8">Polymers II</td></tr>
<tr><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>graduate</td></tr>
<tr><td colspan="2">Courses</td><td colspan="7">S + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td colspan="2">Method of assessment</td><td colspan="7">a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes)
Language of assessment: German or English</td></tr>
</table>

<table>
<tr><td>08-NT-122-m01</td><td colspan="8">Chemically and bio-inspired Nanotechnology for Material Synthesis</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>graduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 08-NT-1-122: V (no information on SWS (weekly contact hours) and course language available)
• 08-NT-2-122: V (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 08-NT-1-122: Sol-Gel Chemistry 1: Fundamentals
• 2 ECTS, Method of grading: numerical grade
• a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)
Assessment in module component 08-NT-2-122: From Biomineralisation to biologically inspired Materials Synthesis
• 3 ECTS, Method of grading: numerical grade
• a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</td></tr>
<tr><td>03-FU-PM1-122-m01</td><td colspan="8">Polymer Chemistry</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>undergraduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">This module comprises 2 module components. Information on courses will be listed separately for each module component.
• 03-FU-PM1-1-122: V (no information on SWS (weekly contact hours) and course language available)
• 03-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 03-FU-PM1-1-122: Polymer Chemistry (Lecture)
• 3 ECTS, Method of grading: numerical grade
• a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)
• Language of assessment: German, English if agreed upon with the examiner
Assessment in module component 03-FU-PM1-2-122: Polymer Chemistry (Practical course)
• 2 ECTS, Method of grading: (not) successfully completed
• Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each)
• Assessment offered: once a year, summer semester
• Language of assessment: German, English if agreed upon with the examiner</td></tr>
<tr><td>08-FS1-122-m01</td><td colspan="8">Material Science 1 (basic introduction)</td></tr>
<tr><td></td><td>ECTS</td><td>5</td><td>Duration</td><td>1 semester</td><td>Method of grading</td><td>numerical grade</td><td>Modul level</td><td>graduate</td></tr>
<tr><td></td><td>Courses</td><td colspan="7">V + Ü (no information on SWS (weekly contact hours) and course language available)</td></tr>
<tr><td></td><td>Method of assessment</td><td colspan="7">a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)
Language of assessment: German or English</td></tr>
</table>

08-FS2-122-m01	**Material Science 2 (the material groups)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
08-BC-132-m01	**Principles of Biochemistry**							
	ECTS	6	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		This module comprises 2 module components. Information on courses will be listed separately for each module component. • 08-BC-1-132: V + Ü (no information on SWS (weekly contact hours) and course language available) • 08-BC-2-132: V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. **Assessment in module component 08-BC-1-132:** Principles of Biochemistry 1 Principles of Biochemistry 1 • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 to 90 minutes) **Assessment in module component 08-BC-2-132:** Principles of Biochemistry 2 Principles of Biochemistry 2 • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 to 90 minutes)					
08-ACM1-132-m01	**Advanced Inorganic Chemistry**							
	ECTS	10	Duration	2 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 2 written examinations (1 written examination: approx. 120 minutes; 2 written examinations: approx. 90 minutes each) or b) oral examination of one candidate each (30 minutes) or c) oral examination in groups (groups of 2, 45 minutes) Language of assessment: German or English					
08-ACPM-132-m01	**Inorganic Chemistry practical course for advanced**							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		practical work with lab report (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					

08-OCM-SYNT-132-m01	**Modern Synthetic Methods**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English						
	other prerequisites	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).						
08-OCM-AKP1-122-m01	**Advanced Research Project**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	talk (approx. 15 minutes) and log (approx. 15 to 20 pages) Language of assessment: German or English						
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 90 minutes) Language of assessment: German or English						
	other prerequisites	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).						
08-PCM1a-132-m01	**Laser Spectroscopy**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (90 minutes) or oral examination (20 minutes) Language of assessment: German or English						
08-PCM1b-132-m01	**Advanced Physical Chemistry (Lab)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 20 working days.						

08-TCM1-132-m01	**Theoretical Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-PCM6-132-m01	**Physical Chemistry (Advanced Lab)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 20 minutes) Language of assessment: German or English					
	Modules successfully completed		08-PCM1					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 20 working days.					
08-BC-MOLM-132-m01	**Molecular Biology**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English					
08-BC-VPMM-132-m01	**Practical course Molecular Machines for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed		08-BC, 08-BCP					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					

08-BC-VPPD-132-m01	**Practical course Protein Degradation in Eukaryotes for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed		08-BC, 08-BCP					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					
08-BC-VPRB-132-m01	**Practical course RNA Biochemistry for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed		08-BC, 08-BCP					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					
08-BC-VPSB-132-m01	**Practical course Structural Biology for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed		08-BC, 08-BCP					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation with discussion (approx. 30 minutes) Language of assessment: German or English					
08-FMM-CT-132-m01	**Molecular Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) and examination: a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total)					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					

08-HKM3AC-132-m01	**Practical course Homogeneous catalysis in Inorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 20 working days.						
08-HKM3OC-132-m01	**Practical course Homogeneous catalysis in Organic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 20 working days.						
08-MCM2-132-m01	**Pharmaceutical/Medicinal Chemistry**							
	ECTS	10	Duration	3 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	3 oral examinations of one candidate each (approx. 30 minutes each) Language of assessment: German or English						
08-TCAP1-132-m01	**Theoretical Chemistry - Project course wave-packet dynamics**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	presentation (approx. 30 minutes) Language of assessment: German or English						
	Additional Information	Additional information on module duration: 4 weeks.						
08-TCAP2-132-m01	**Theoretical Chemistry - Project coursewave function based methods**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	presentation (approx. 30 minutes) Language of assessment: German or English						
	Additional Information	Additional information on module duration: 4 weeks.						
08-TCAP3-132-m01	**Theoretical Chemistry - Project course Computational Photochemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	presentation (approx. 30 minutes) Language of assessment: German or English						
	Additional Information	Additional information on module duration: 4 weeks.						

Other additional qualifications (10 ECTS credits)								
03-TR-072-m01	**Toxicology and legal studies**							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes)					
08-WRM1-132-m01	**Tutoring 1 (practical course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		preparation of materials for demonstrations and exercises (approx. 120 hours total) Language of assessment: German or English					
	other prerequisites		Using activities performed under a research assistant contract for this module is not permitted. The exercise must accompany a different course than the exercise held in module 08-WRM2.					
08-WRM2-132-m01	**Tutoring 2 (practical course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		preparation of materials for demonstrations and exercises (approx. 120 hours total) Language of assessment: German or English					
	other prerequisites		Using activities performed under a research assistant contract for this module is not permitted. The exercise must accompany a different course than the exercise held in module 08-WRM1.					
08-APM1-132-m01	**Foreign Studies (short)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		report (2 pages); proof of having completed lab course Language of assessment: German or English; language of the respective placement country where required					
	other prerequisites		Admission prerequisite to assessment: regular attendance of placement (a maximum of 2 incidents of absence); consultation with course advisory service prior to placement highly recommended; not to be combined with 08-APM2.					
	Additional Information		Additional information on module duration: block placement abroad with a duration of a minimum of 20 working days.					
08-APM2-132-m01	**Foreign Studies (long)**							
	ECTS	10	Duration	2 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		report (2 pages); proof of having completed lab course Language of assessment: German or English; language of the respective placement country where required					
	other prerequisites		Admission prerequisite to assessment: regular attendance of placement (a maximum of 2 incidents of absence); consultation with course advisory service prior to placement highly recommended; not to be combined with 08-APM1.					
	Additional Information		Additional information on module duration: block placement abroad with a duration of a minimum of 40 working days.					

08-CHPM1-132-m01	**Chemistry-related courses outside of the Natural Sciences**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		assessment: a) 1 to 3 written examinations (approx. 60 or approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) or successful completion as certified by the lecturer Language of assessment: German or English					
	other prerequisites		Please consult with course advisory service.					
08-CHPM2-132-m01	**Chemistry-related courses within the Natural Sciences**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		assessment: a) 1 to 3 written examinations (approx. 60 or approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) or successful completion as certified by the lecturer Language of assessment: German or English					
	other prerequisites		Please consult with course advisory service.					
Compulsory Courses (double degree) (5 ECTS credits)								
03-TR-072-m01	**Toxicology and legal studies**							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes)					
08-VPM-DA-132-m01	**Advanced chemical practical course**							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written report (approx. 3 pages) Language of assessment: German, English					
Compulsory Electives (double degree) (55 ECTS credits) Students must choose two focuses (focus 1 with 30 ECTS credits, focus 2 with 25 ECTS credits).								
Inorganic Chemistry (25-30 ECTS credits)								
Compulsory Courses (20 ECTS credits)								
08-ACM1-132-m01	**Advanced Inorganic Chemistry**							
	ECTS	10	Duration	2 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 2 written examinations (1 written examination: approx. 120 minutes; 2 written examinations: approx. 90 minutes each) or b) oral examination of one candidate each (30 minutes) or c) oral examination in groups (groups of 2, 45 minutes) Language of assessment: German or English					

08-ACPM-132-m01	**Inorganic Chemistry practical course for advanced**							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		practical work with lab report (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					
Compulsory Electives (5-10 ECTS credits)								
08-ACM2-102-m01	**Bioinorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-ACM3-102-m01	**Solid state chemistry and inorganic materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-HKM2-102-m01	**Advanced organometallic chemistry and its application in homogeneous catalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-OCM-NMRMS-102-m01	**Advanced NMR- and Mass Spectrometry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes) Language of assessment: German or English					

08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
Organic Chemistry (25-30 ECTS credits)								
Compulsory Courses (15 ECTS credits)								
08-OCM-NMRMS-102-m01	**Advanced NMR- and Mass Spectrometry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes) Language of assessment: German or English					
08-OCM-SYNT-132-m01	**Modern Synthetic Methods**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-OCM-AKP1-122-m01	**Advanced Research Project**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		talk (approx. 15 minutes) and log (approx. 15 to 20 pages) Language of assessment: German or English					

Compulsory Electives (10-15 ECTS credits)								
08-OCM-NAT-102-m01	**Modern Aspects of Natural Product Chemistry and Biological Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
	Participants and allocation of places	Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.						
08-OCM-FM-102-m01	**Organic Functional Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-HKM1-102-m01	**Organo- and Biocatalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-SCM1-102-m01	**Supramolecular Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English						
08-SCM3-102-m01	**Bioorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						

08-PH-KACP-092-m01	**Clinical and Analytical Chemistry (practical course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages)					
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
Physical Chemistry (25-30 ECTS credits)								
Compulsory Courses (20 ECTS credits)								
08-PCM2-102-m01	**Chemical Dynamics**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					
08-PCM1a-132-m01	**Laser Spectroscopy**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination (20 minutes) Language of assessment: German or English					
08-PCM1b-132-m01	**Advanced Physical Chemistry (Lab)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 20 working days.					

08-PCM6-132-m01	**Physical Chemistry (Advanced Lab)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 20 minutes) Language of assessment: German or English					
	Modules successfully completed		08-PCM1					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 20 working days.					
Compulsory Electives (5-10 ECTS credits)								
08-PCM4-132-m01	**Ultrafast spectroscopy and quantum-control**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes) Language of assessment: German or English					
	Modules successfully completed		08-PCM1a, 08-PCM1b					
08-PCM3-102-m01	**Nanoscale Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					
08-PCM5-102-m01	**Physical chemistry of supramolecular assemblies**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) and/or oral examination of one candidate each (20 minutes) and/or talk (30 minutes) Language of assessment: German or English					
08-FMM-MP-102-m01	**Lab Course Materials Science**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical performance, log (5 to 10 pages) Language of assessment: German or English					
08-TCM3-102-m01	**Programming in Theoretical Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		completion and discussion of approx. 5 programming exercises as well as talk (approx. 45 minutes) Language of assessment: German or English					

08-FS1-122-m01	**Material Science 1 (basic introduction)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-TCM1-132-m01	**Theoretical Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-TCAP1-132-m01	**Theoretical Chemistry - Project course wave-packet dynamics**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					
08-TCAP2-132-m01	**Theoretical Chemistry - Project coursewave function based methods**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					

08-TCAP3-132-m01	**Theoretical Chemistry - Project course Computational Photochemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					
Biochemistry (25-30 ECTS credits)								
Compulsory Courses (15 ECTS credits)								
08-BC-MOLP-111-m01	**Molecular Biology Lab**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Assessment offered: once a year, winter semester Language of assessment: German or English					
	Modules successfully completed		08-BC (module component 08-BC-1 only)					
	Participants and allocation of places		Biochemie (Biochemistry) Bachelor's: 24 places. Chemie (Chemistry) Master's: 6 places. Selection process Biochemie (Biochemistry) Bachelor's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed modules; among applicants with the same average grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available. Selection process Chemie (Chemistry) Master's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): grade of module 08-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.					
08-BC-MOLM-132-m01	**Molecular Biology**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English					

Compulsory Electives (10-15 ECTS credits)								
Specialist Lab Course (10 ECTS credits)								
08-BC-VPMM-132-m01	**Practical course Molecular Machines for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Modules successfully completed	08-BC, 08-BCP						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						
08-BC-VPPD-132-m01	**Practical course Protein Degradation in Eukaryotes for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Modules successfully completed	08-BC, 08-BCP						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						
08-BC-VPRB-132-m01	**Practical course RNA Biochemistry for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Modules successfully completed	08-BC, 08-BCP						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						
08-BC-VPSB-132-m01	**Practical course Structural Biology for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Modules successfully completed	08-BC, 08-BCP						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						

Other Courses (max. 5 ECTS credits)								
08-BCP-092-m01	**Biochemistry Lab**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	pre/post-experiment examination talks (Vortestate and Nachtestate, approx. 15 minutes each), practical work (log, approx. 5 to 10 pages) Assessment offered: once a year, summer semester						
	Modules successfully completed	08-BC						
	Participants and allocation of places	Number of places: 24. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (80% of places): grade achieved in module 08-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (20% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.						
08-ACM2-102-m01	**Bioinorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-OCM-NAT-102-m01	**Modern Aspects of Natural Product Chemistry and Biological Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
	Participants and allocation of places	Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.						
08-HKM1-102-m01	**Organo- and Biocatalysis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						

08-PH-KAC-092-m01	**Clinical and Analytical Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (120 minutes)						
08-PH-KACP-092-m01	**Clinical and Analytical Chemistry (practical course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages)						
08-BC-132-m01	**Principles of Biochemistry**							
	ECTS	6	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. • 08-BC-1-132: V + Ü (no information on SWS (weekly contact hours) and course language available) • 08-BC-2-132: V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. **Assessment in module component 08-BC-1-132:** Principles of Biochemistry 1 Principles of Biochemistry 1 • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 to 90 minutes) **Assessment in module component 08-BC-2-132:** Principles of Biochemistry 2 Principles of Biochemistry 2 • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 to 90 minutes)						
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	presentation with discussion (approx. 30 minutes) Language of assessment: German or English						
Functional Materials (25-30 ECTS credits)								
Compulsory Courses (20 ECTS credits)								
08-OCM-FM-102-m01	**Organic Functional Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						

08-FMM-MP-102-m01	**Lab Course Materials Science**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical performance, log (5 to 10 pages) Language of assessment: German or English					
08-FMM-PA-102-m01	**Project Work**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		talk (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English					
08-FS1-122-m01	**Material Science 1 (basic introduction)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
Compulsory Electives (5-10 ECTS credits)								
08-ACM3-102-m01	**Solid state chemistry and inorganic materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English					
08-SCM1-102-m01	**Supramolecular Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English					
08-PCM3-102-m01	**Nanoscale Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English					

08-NT-122-m01	**Chemically and bio-inspired Nanotechnology for Material Synthesis**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		This module comprises 2 module components. Information on courses will be listed separately for each module component. • 08-NT-1-122: V (no information on SWS (weekly contact hours) and course language available) • 08-NT-2-122: V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. **Assessment in module component 08-NT-1-122:** Sol-Gel Chemistry 1: Fundamentals • 2 ECTS, Method of grading: numerical grade • a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) **Assessment in module component 08-NT-2-122:** From Biomineralisation to biologically inspired Materials Synthesis • 3 ECTS, Method of grading: numerical grade • a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)					
08-FS2-122-m01	**Material Science 2 (the material groups)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-FMM-CT-132-m01	**Molecular Materials**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) and examination: a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total)					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					

Medicinal Chemistry (25-30 ECTS credits)								
Compulsory Courses (10 ECTS credits)								
08-MCM2-132-m01	**Pharmaceutical/Medicinal Chemistry**							
	ECTS	10	Duration	3 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	3 oral examinations of one candidate each (approx. 30 minutes each) Language of assessment: German or English						
Compulsory Electives (15-20 ECTS credits)								
08-ACM2-102-m01	**Bioinorganic Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
08-OCM-NAT-102-m01	**Modern Aspects of Natural Product Chemistry and Biological Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course. Language of assessment: German or English						
	Participants and allocation of places	Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.						
08-PH-KAC-092-m01	**Clinical and Analytical Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (120 minutes)						
08-PH-KACP-092-m01	**Clinical and Analytical Chemistry (practical course)**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages)						

08-MCM1-102-m01	**Practical course medicinal chemistry**							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 20 minutes), assessment of practical performance, written report (approx. 30 to 50 pages) Language of assessment: German or English					
08-OCM-SYNT-132-m01	**Modern Synthetic Methods**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-BC-MOLM-132-m01	**Molecular Biology**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English					
08-BC-VPSB-132-m01	**Practical course Structural Biology for advanced students**							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed		08-BC, 08-BCP					
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.					
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation with discussion (approx. 30 minutes) Language of assessment: German or English					

Theoretical Chemistry (25-30 ECTS credits)								
Compulsory Courses (10 ECTS credits)								
08-TCM3-102-m01	**Programming in Theoretical Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		completion and discussion of approx. 5 programming exercises as well as talk (approx. 45 minutes) Language of assessment: German or English					
08-TCM1-132-m01	**Theoretical Chemistry (Basics)**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
Compulsory Electives (15-20 ECTS credits) One to two of the following modules must be taken: 08-TCAP1, 08-TCAP2, 08-TCAP3								
08-TCM2-132-m01	**Computational Chemistry**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		written examination (approx. 90 minutes) Language of assessment: German or English					
	other prerequisites		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises -- 10 to 15 hours -- to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-MCM3-132-m01	**Principles of drug design**							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation with discussion (approx. 30 minutes) Language of assessment: German or English					
08-TCAP1-132-m01	**Theoretical Chemistry - Project course wave-packet dynamics**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					

08-TCAP2-132-m01	**Theoretical Chemistry - Project coursewave function based methods**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					
08-TCAP3-132-m01	**Theoretical Chemistry - Project course Computational Photochemistry**							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		presentation (approx. 30 minutes) Language of assessment: German or English					
	Additional Information		Additional information on module duration: 4 weeks.					
Courses at partner university abroad (30 ECTS credits)								
08-VPU-141-m01	**Courses at the partner university**							
	ECTS	30	Duration	2 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses		V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		assessment or successful completion as certified by the lecturer; methods of assessment: a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes); students will be informed about the method and length of the assessment prior to the course Language of assessment: German or English					
	other prerequisites		Please consult with course advisory service.					
Thesis (30 ECTS credits)								
08-MA-132-m01	**Master-Thesis**							
	ECTS	30	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses		no courses assigned					
	Method of assessment		written thesis (approx. 60 to 80 pages) Language of assessment: German or English					
	other prerequisites		Where applicable, specific modules as specified by supervisor.					
	Additional Information		Additional information on module duration: 6 months.					