

Module Catalogue

for the Module studies (Bachelor)

Chemistry

Examination regulations version: 2019 Responsible: Faculty of Chemistry and Pharmacy

JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record MB|032|-|-|H|2019

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The subject is divided into

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Abbreviations used

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Course types: \mathbf{E} = field trip, \mathbf{K} = colloquium, \mathbf{O} = conversatorium, \mathbf{P} = placement/lab course, \mathbf{R} = project, \mathbf{S} = seminar, \mathbf{T} = tutorial, $\ddot{\mathbf{U}}$ = exercise, \mathbf{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

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

Notes

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 the 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:

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

15-May-2019 (2019-36) 27-Jun-2019 (2019-41) 14-Nov-2019 (2019-52) 22-Jan-2020 (2020-13) 06-May-2020 (2020-39) 22-Jul-2020 (2020-57) 17-Dec-2020 (2020-110) 10-Mar-2021 (2021-17) 09-Jun-2021 (2021-58) 22-Dec-2021 (2021-85) 05-Jul-2022 (2022-52) 31-Jan-2023 (2022-86) 15-Jun-2023 (2023-58) 13-Dec-2023 (2023-107) 07-Aug-2024 (2024-82) 22-Jan-2025 (2025-1)

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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.



Advance events o8-OP-152-mo1 Module correctivator Module offered by head of the restrict group offering the module Faculty of Chemistry and Pharmacy ECTS Method grading Only after succ. correctivation of module(s) 5 (not) successfully completed 1 semester undergraduate 1 semester undergraduate This module students the opportunity to explore a research topic and apply the methods commonly used					
Module correctionModule offered byhead of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethod f gradingOnly after succ. correction of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContentsThis module students the opportunity to explore a research topic and apply the methods commonly used					
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ECTSMethod gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport unity to explore a research topic and apply the methods commonly used					
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Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used					
This module gives students the opportunity to explore a research tonic and apply the methods commonly used					
in the discipline in question.					
Intended learning outcomes					
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation.					
Courses (type, number of weekly contact hours, language — if other than German)					
P (10)					
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether					
a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English					
Allocation of places					
Additional information					
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.					
Workload					
150 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					



Winter Term 2019

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module of Faculty Optiming the mod					
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)ContentsInterregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the results of the results of the results of the rest of the results of the re					
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ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contents undergraduate This module students the opport inty to explore a research topic and apply the methods commonly used in the discipline in question. Intendet set in question. Intendet set is postcomes Students are bet to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses type of weekly contact hours, budge = if other than German)					
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DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)					
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)					
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Courses (type, number of weekly contact hours, language — if other than German)					
P (10)					
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether					
a) talk (approx 15 minutes) or					
b) log (approx. 10 to 20 pages)					
Language of assessment: German and/or English					
Allocation of places					
Additional information					
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.					
Workload					
150 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					



Module	Module title Abbreviation					
Introdu Dentist	Introduction to Inorganic Chemistry for Students of Biology, Medicine and O8-AC-NF-152-mo1 Dentistry					
Module	coord	inator		Module offered by	• 	
lecturer of lecture "Allgemeine and Anorganische Che- mie für Studierende der Medizin, Zahnmedizin and Biolo- gie" (General and Inorganic Chemistry for Students of Me- dicine, Dentistry and Biology)				Institute of Inorgan	ic Chemistry	
ECTS Method of grading Only after succ. compl. of module(s)						
3	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	ts					
This mo it introc	odule p luces t	rovides students with an he fundamental techniqu	overview of the theo les of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition,	
Intende	ed lear	ning outcomes				
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify	
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	rman)		
V (2)						
Method module is	l of ass creditab	sessment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether	
written Langua	examiı ge of a	nation (approx. 60 minut ssessment: German and	es) /or English			
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Workload						
90 h						
Teachir	ng cycl	e				
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)		

Module title Abbreviation						
Inorgan	Inorganic Chemistry of the Elements 08-AS1-152-mo1					
Module	Module coordinator Module offered by					
lecturer of lecture "Chemie der Hauptgruppenelemen- te" (Chemistry of Main-group Elements)					ic Chemistry	
ECTS	Metho	od of grading	Only after succ. compl. of module(s)			
6	numerical grade					
Duratio	Ouration Module level Other prerequisites					
1 semester undergraduate						
Content	ts					
This mo ses on l on, it in	odule e bondin troduc	quips students with an a g conditions, trends in th es students to elementar	dvanced knowledge ne periodic table and y organic chemistry,	of the periodic table the description and coordination chemis	and selected elements. It focu- structure of elements. In additi- stry and complex chemistry.	
Intende	d learr	ning outcomes				
Students are able to characterise main group elements and transition metal elements in terms of their structure, reactivity and fabrication. They are able to identify the coordination of the atoms. In addition, they have learned how to use the periodic table, an essential tool for chemists.						
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
V (2) + V (2)						
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 						
Allocation of places						
Additio	nal info	ormation				
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh						
Workload						
180 h						
Teachin	ig cycl	9				
Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)		
§621N	r. 1					

Module title Abbreviation						
Biochemistry 1 08-BC1-152-m01						
Module	Module coordinator Module offered by					
holder	of the (Chair of Biochemistry		Chair of Biochemist	try	
ECTS Method of grading Only after succ. compl. of module(s)						
5 numerical grade						
Duratio	Duration Module level Other prerequisites					
1 seme	1 semester undergraduate					
Conten	ts					
Comprising lectures and exercises, this module acquaints students with the fundamental principles of bloche- mistry. A particular focus is on the blochemistry of proteins (amino acids, peptide bonds, primary, secondary, tertiary and quaternary structures), catalytic strategies and enzyme kinetics, carbohydrate metabolism (glycoly- sis, gluconeogenesis, citric acid cycle, cellular respiration, photosynthesis), fatty acid metabolism (beta oxida- tion, fatty acid synthesis), nucleotide metabolism, the urea cycle and amino acid metabolism. The module also discusses the structure of the DNA and the central dogma of molecular biology.						
Intende	ed lear	ning outcomes				
Studen sed in t	its have the mo	e become familiar with th dule. They are able to des	e fundamental princi scribe the key bioche	ples of the topics in mical processes in c	biochemistry that were discus- cellular systems.	
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)		
V (2) + Ü (1)						
Metho module is	d of ass s creditab	sessment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether	
written	exami	nation (approx. 60 to 90 l	minutes)			
Allocation of places						
Additional information						
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. II 2nd letter e) and No. II 1st letter c) of annex 1 to the APOLmCh and No. 3 of annex 3 to the APOLmCh						
Workload						
150 h						
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
§ 42 N § 62 N	Nr. 2 Nr. 2					

Module title Abbreviation					
Organio	Organic Chemistry 1 08-0C1-152-m01				
Module coordinator Module offered by			1		
holder	of the F	Professorship of Organic	Chemistry	Institute of Organic	Chemistry
ECTS	Metho	od of grading	Only after succ. com	npl. of module(s)	
5	5 numerical grade				
Duratio	Duration Module level Other prerequisites				
1 semester undergraduate					
Content	ts				
the bon organic dition a	ding si compo nd elin	ituation of carbon and int ounds. The module also c nination reactions as wel	overview of the fund troduces students to discusses the fundan l as synthesis planni	amental principles of the nomenclature of nental principles of singles.	f simple and moderately complex stereochemistry, substitution, ad-
Intende	d lear	ning outcomes			
Students know important categories of substances in organic chemistry. They are able to use different systems of nomenclature to determine simple substance names. Students are able to analyse the stereochemistry of mo- lecules. They are able to describe and formulate some of the most important reactions in organic chemistry. For that purpose, they can analyse and categorise the characteristic reaction conditions and can use them for simple syntheses.					
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)	
V (3) + Ü	Ü (1)				
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)					
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 					
Allocati	ion of p	olaces			
Additio	nal inf	ormation			
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter b) of annex 1 to the APOLmCh and No. 2 of annex 2 to the APOLmCh					
Workload					
150 h					
Teachin	ig cycl	e			
Teachin	ıg cycle	e: every year, summer ser	nester		
Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)	
§621N	r. 2				

Module	Module title Abbreviation					
Organic Chemistry for students of medicine, biomedicine, dental medicine and 08-OC-NF-152-mo1 natural sciences						
Module	coord	nator		Module offered by		
lecturer of lecture "Organische Chemie für Studierende der Medizin, Biomedizin, Zahnmedizin, Ingenieur- and Natur- wissenschaften"						
ECTS Method of grading Only after succ. compl. of module(s)						
3	nume	ical grade				
Duratior	n	Module level	Other prerequisites			
1 semes	ter	undergraduate				
Content	S					
This mo	dule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.	
Intende	d learr	ing outcomes				
Student	s have	become familiar with th	e fundamental princi	ples of organic chem	iistry.	
Courses	(type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)		
V (2)						
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
written examination (approx. 60 minutes) Language of assessment: German and/or English						
Allocatio	on of p	olaces				
Additional information						
Workload						
90 h						
Teaching cycle						
Referred	to in	LPO I (examination regulation	s for teaching-degree progra	mmes)		

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module of Faculty Optiming the mod					
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)ContentsInterregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the results of the results of the results of the rest of the results of the re					
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCoursetCoursetCoursetCourset					
ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contents undergraduate This module students the opport inty to explore a research topic and apply the methods commonly used in the discipline in question. Intender students are students the opport inty to explore a research topic and apply the methods commonly used or and present the results of their work in a written report or oral presentation. Students are students of weekly contact hours, busices and present the results of their work in a written report or oral presentation. Courses type of weekly contact hours, busices are if other than German)					
5 (not) successfully completed Durati→ Module level Other prerequisites 1 sem >+ undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende lear Students are suble to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses type of weekly contact hours, language – if other than German)					
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)					
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)					
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)					
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)					
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)					
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)					
Courses (type, number of weekly contact hours, language — if other than German)					
P (10)					
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether					
a) talk (approx 15 minutes) or					
b) log (approx. 10 to 20 pages)					
Language of assessment: German and/or English					
Allocation of places					
Additional information					
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.					
Workload					
150 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					



Winter Term 2020

Module title Abbreviation						
Introduction to Inorganic Chemistry for Students of Biology, Medicine and 08-AC-NF-152-mo1 Dentistry						
Module	coord	inator		Module offered by		
lecturer of lecture "Allgemeine and Anorganische Che- mie für Studierende der Medizin, Zahnmedizin and Biolo- gie" (General and Inorganic Chemistry for Students of Me- dicine, Dentistry and Biology)			organische Che- medizin and Biolo- for Students of Me-	Institute of Inorganic Chemistry		
ECTS Method of grading Only after succ. compl. of module(s)						
3	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	undergraduate				
Conten	ts					
This mo it introc	odule p duces t	rovides students with an he fundamental techniqu	overview of the theo les of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.	
Intende	ed lear	ning outcomes				
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify	
Course	S (type, r	umber of weekly contact hours, l	anguage — if other than Gei	rman)		
V (2)						
Methoo module is	d of ass creditab	s essment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
written examination (approx. 60 minutes) Language of assessment: German and/or English						
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Workload						
90 h						
Teachir	ıg cycl	e				
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	immes)		

Module title Ab					Abbreviation		
Principles of Inorganic Chemistry					08-AC1-152-m01		
Module coordinator				Module offered by			
lecture Chemis	r of lect stry)	ture "Experimentalchemie	e" (Experimental	Institute of Inorgani	ic Chemistry		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
8	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
The mo rial and In addi mistry.	dule p d partic tion, th	rovides an overview of the le level, metals, acid-bas e module introduces fund	e fundamental know e reactions, the perio damental concepts o	ledge of chemistry. E odic table, chemical f chemistry and teac	mphasis is placed on the mate- equilibrium and complexometry. hes the basics of inorganic che-		
Intende	ed learı	ning outcomes					
The student understands the principles of the periodic table and can obtain information from it. He/she is profi- cient in basic models of the structure of matter and can describe them properly. He/she can depict chemical re- actions using typical chemical formula language and interpret them by identifying the type of reaction. The stu- dents know how the most important quantitative and qualitative analytical methods work and their areas of app- lication							
Course	S (type, n	umber of weekly contact hours, la	anguage — if other than Gei	rman)			
V (4) +	V (2)						
Metho module is	d of ass s creditab	s essment (type, scope, languag le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether		
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) 							
Allocat	ion of p	olaces	-				
Additio	onal inf	ormation					
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh							
Workload							
240 h							
Teaching cycle							
Referred to in LPO I (examination regulations for teaching-degree programmes)							
§ 42 N § 62 N	§ 42 Nr. 1 and § 22 Nr. 1 h) § 62 Nr. 1						
	3.02.1111.1						

Module	e title			Abbreviation				
Organio natural	Organic Chemistry for students of medicine, biomedicine, dental medicine and 08-OC-NF-152-mo1 natural sciences							
Module	e coord	inator		Module offered by				
lecturer of lecture "Organische Chemie für Studierende der Medizin, Biomedizin, Zahnmedizin, Ingenieur- and Natur- wissenschaften"				Institute of Organic Chemistry				
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)				
3	nume	rical grade						
Duratio	n	Module level	Other prerequisites					
1 seme	ster	undergraduate						
Conten	ts							
This mo	odule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.			
Intende	ed lear	ning outcomes						
Studen	ts have	e become familiar with th	e fundamental princi	ples of organic chem	istry.			
Course	S (type, r	umber of weekly contact hours, I	anguage — if other than Ger	rman)				
V (2)								
Methoo module is	d of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether			
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and	es) /or English					
Allocat	ion of p	olaces						
Additional information								
Workload								
90 h								
Teaching cycle								
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)				

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module of Faculty Optiming the mod						
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)ContentsInterregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the results of the results of the results of the rest of the results of the re						
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCoursetCoursetCourset						
ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contents undergraduate This module students the opport inty to explore a research topic and apply the methods commonly used in the discipline in question. Intender students are students the opport inty to explore a research topic and apply the methods commonly used or and present the results of their work in a written report or oral presentation. Students are students of weekly contact hours, busices and present the results of their work in a written report or oral presentation. Courses type of weekly contact hours, busices are if other than German)						
5 (not) successfully completed Durati→ Module level Other prerequisites 1 sem >+ undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende learning outcomes Students are suble to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses type of weekly contact hours, language – if other than German)						
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)						
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Courses (type, number of weekly contact hours, language — if other than German)						
P (10)						
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether						
a) talk (approx 15 minutes) or						
b) log (approx. 10 to 20 pages)						
Language of assessment: German and/or English						
Allocation of places						
Additional information						
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.						
Workload						
150 h						
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						



Module title Abbreviation							
Introdu Dentist	Introduction to Inorganic Chemistry for Students of Biology, Medicine and O8-AC-NF-152-mo1 Dentistry						
Module	e coord	inator		Module offered by			
lecturer of lecture "Allgemeine and Anorganische Che- mie für Studierende der Medizin, Zahnmedizin and Biolo- gie" (General and Inorganic Chemistry for Students of Me- dicine. Dentistry and Biology)				Institute of Inorgar	Institute of Inorganic Chemistry		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
3	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
This mo it introc	odule p duces t	rovides students with an he fundamental techniqu	overview of the theo ues of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.		
Intende	ed leari	ning outcomes					
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify		
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Gei	rman)			
V (2)							
Methoo module is	l of ass creditab	sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if n	ot every semester, information on whether		
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and	es) /or English				
Allocat	ion of p	olaces					
Additional information							
Workload							
90 h							
Teaching cycle							
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)			

Module	Module title Abbreviation						
Inorgan	ic Che	08-AS1-152-m01					
Module	coord	inator		Module offered by			
lecturer te" (Che	of lect of lect	ure "Chemie der Hauptgr of Main-group Elements	ruppenelemen-)	Institute of Inorgani	ic Chemistry		
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
6	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 semes	ster	undergraduate					
Content	ts						
This mo ses on l on, it in	odule e bondin troduc	quips students with an a g conditions, trends in th es students to elementar	dvanced knowledge ne periodic table and y organic chemistry,	of the periodic table the description and coordination chemis	and selected elements. It focu- structure of elements. In additi- stry and complex chemistry.		
Intende	d learr	ning outcomes					
Student reactivi how to	ts are a ty and use the	ble to characterise main fabrication. They are able periodic table, an esser	group elements and e to identify the coorc ntial tool for chemists	transition metal eler lination of the atoms 5.	ments in terms of their structure, s. In addition, they have learned		
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)			
V (2) + V (2)							
Method module is	l of ass creditab	e ssment (type, scope, langua) le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether		
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 							
Allocati	ion of p	olaces					
Additio	nal info	ormation					
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh							
Workload							
180 h							
Teachin	Teaching cycle						
Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)			
§621N	r. 1						

Module title Abbreviation							
Bioche	mistry	1			08-BC1-152-m01		
Module	coord	inator		Module offered by			
holder	of the (Chair of Biochemistry		Chair of Biochemist	ry		
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
5	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
Comprising lectures and exercises, this module acquaints students with the fundamental principles of bioche- mistry. A particular focus is on the biochemistry of proteins (amino acids, peptide bonds, primary, secondary, tertiary and quaternary structures), catalytic strategies and enzyme kinetics, carbohydrate metabolism (glycoly- sis, gluconeogenesis, citric acid cycle, cellular respiration, photosynthesis), fatty acid metabolism (beta oxida- tion, fatty acid synthesis), nucleotide metabolism, the urea cycle and amino acid metabolism. The module also discusses the structure of the DNA and the central dogma of molecular biology.							
Intende	ed learr	ning outcomes					
Studen sed in t	ts have he moo	e become familiar with th dule. They are able to des	e fundamental princi scribe the key bioche	ples of the topics in mical processes in c	biochemistry that were discus- ellular systems.		
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)			
V (2) +	Ü (1)						
Methoc module is	d of ass creditab	s essment (type, scope, langua ₎ le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether		
written	examir	nation (approx. 60 to 90 i	minutes)				
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. II 2nd letter e) and No. II 1st letter c) of annex 1 to the APOLmCh and No. 3 of annex 3 to the APOLmCh							
Workload							
150 h							
Teaching cycle							
<u></u>							
Referred to in LPO I (examination regulations for teaching-degree programmes)							
§ 42 N § 62 N	lr. 2 lr. 2						

UNIVERSITÄT WÜRZBURG							
Module	Module title Abbreviation						
Organio natural	Organic Chemistry for students of medicine, biomedicine, dental medicine and 08-OC-NF-152-mo1 natural sciences						
Module	coord	inator		Module offered by			
lecturer of lecture "Organische Chemie für S Medizin, Biomedizin, Zahnmedizin, Ingenier wissenschaften"			für Studierende der zenieur- and Natur-	Institute of Organic	Chemistry		
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
3	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
This mo	odule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.		
Intende	ed learı	ning outcomes					
Studen	ts have	e become familiar with th	e fundamental princi	ples of organic chem	iistry.		
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)			
V (2)							
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)							
written examination (approx. 60 minutes) Language of assessment: German and/or English							
Allocat	ion of p	olaces					

Additional information

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Workload

90 h

Teaching cycle

Referred to in LPO I (examination regulations for teaching-degree programmes)

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module of Faculty Optiming the mod						
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)ContentsInterregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the results of the results of the results of the rest of the results of the re						
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCoursetCoursetCourset						
ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contentric This module students the opport inty to explore a research topic and apply the methods commonly used in the discipline in question. Intender students are students the opport inty to explore a research topic and apply the methods commonly used or and apply the methods commonly used in the discipline in question. Students are students are support a specific research topic and present the results of their work in a written report or oral presentation. Courses type of weekly contact hours, sugge – if other than German)						
5 (not) successfully completed Durati→ Module level Other prerequisites 1 sem >+ undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende lear Students are suble to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses type of weekly contact hours, language – if other than German)						
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)						
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Courses (type, number of weekly contact hours, language — if other than German)						
P (10)						
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether						
a) talk (approx 15 minutes) or						
b) log (approx. 10 to 20 pages)						
Language of assessment: German and/or English						
Allocation of places						
Additional information						
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.						
Workload						
150 h						
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						



Winter Term 2021

Module title Abbreviation							
Introduction to Inorganic Chemistry for Students of Biology, Medicine and 08-AC-NF-152-mo1							
Dentist	Dentistry						
Module	e coord	inator		Module offered by			
lecturer of lecture "Allgemeine and Anorganische Che- mie für Studierende der Medizin, Zahnmedizin and Biolo- gie" (General and Inorganic Chemistry for Students of Me- dicine, Dentistry and Biology)				Institute of Inorgar	nic Chemistry		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
3	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
This mo it introc	odule p duces t	rovides students with an he fundamental techniqu	overview of the theo ues of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition,		
Intende	ed lear	ning outcomes					
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify		
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Gei	rman)			
V (2)							
Methoo module is	d of ass creditab	sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if n	ot every semester, information on whether		
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and	es) /or English				
Allocat	ion of p	olaces	5				
Additional information							
Workload							
90 h							
Teaching cycle							
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	immes)			

Module title Abbrevi					Abbreviation		
Princip	les of I	norganic Chemistry			08-AC1-152-m01		
Module	e coord	inator		Module offered by			
lecture Chemis	r of lect stry)	ture "Experimentalchemie	e" (Experimental	Institute of Inorgani	ic Chemistry		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
8	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
The mo rial and In addi mistry.	dule p d partic tion, th	rovides an overview of the le level, metals, acid-bas e module introduces fund	e fundamental know e reactions, the perio damental concepts o	ledge of chemistry. E odic table, chemical f chemistry and teac	mphasis is placed on the mate- equilibrium and complexometry. hes the basics of inorganic che-		
Intende	ed learı	ning outcomes					
The stu cient in actions dents k lication	Ident un Dasic Susing Know ho	nderstands the principles models of the structure o typical chemical formula ow the most important qu	s of the periodic table f matter and can des language and interp antitative and qualit	e and can obtain info cribe them properly. ret them by identifyir ative analytical meth	ormation from it. He/she is profi- He/she can depict chemical re- ng the type of reaction. The stu- nods work and their areas of app-		
Course	S (type, n	number of weekly contact hours, la	anguage — if other than Gei	rman)			
V (4) +	V (2)						
Metho module is	d of ass s creditab	sessment (type, scope, languag le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether		
a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes)							
Allocat	ion of p	olaces					
Additio	onal info	ormation					
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh							
Workload							
240 h							
Teaching cycle							
Referred to in LPO I (examination regulations for teaching-degree programmes)							
§ 42 N § 62 N	Vr. 1 and Vr. 1	d § 22 II Nr. 1 h)					

Module	title		Abbreviation					
Organic natural s	Organic Chemistry for students of medicine, biomedicine, dental medicine and 08-OC-NF-152-mo1 natural sciences							
Module	coord	nator		Module offered by				
lecturer of lecture "Organische Chemie für Studierende der Medizin, Biomedizin, Zahnmedizin, Ingenieur- and Natur- wissenschaften"				Institute of Organic Chemistry				
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)				
3	nume	ical grade						
Duratior	n	Module level	Other prerequisites					
1 semes	ter	undergraduate						
Content	S							
This mo	dule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.			
Intende	d learr	ing outcomes						
Student	s have	become familiar with th	e fundamental princi	ples of organic chem	iistry.			
Courses	(type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)				
V (2)								
Method module is a	of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether			
written e Languag	examir ge of a	nation (approx. 60 minut ssessment: German and	es) /or English					
Allocatio	on of p	olaces						
Additional information								
Workload								
90 h								
Teaching cycle								
Referred	to in	LPO I (examination regulation	s for teaching-degree progra	mmes)				

Advance with a duration of fereface with a duration of fereface with a duration of so a specific manage with a duration of so a specific management with a duration o	Module	Module title Abbreviation						
Module offered byhead with the second offering the word offering the word of the second of the second offering the word of the second o	Advanced chemical practical course08-OP-152-m01							
head → t i e r e search group offering t i → odule Faculty of Chemistry and Pharmacy ECTS Met→ of grading Only after succ. com J. of module(s) 5 (not) >====================================	Module	coord	inator		Module offered by			
ECTSMetworkOnly after succ. compl. of module(s)5(n) vecessfully completedDurationModule levelOther prerequisites1 sem everundergraduateContentsThis module sizes students the opportunity to explore a research topic and apply the methods commonly used in the disciplinary of the results of their work in a written report or oral presentation.Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses were of weekly contact hours, language – if other than German)P (10)Method is streetable for bonus)a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages)Language of assessment: German and/or EnglishAdditional in Formation on module duration: block placement / block taught practical course with a duration of a days.WorklockTeaching cycle	head of	the re	search group offering the	module	Faculty of Chemistry	y and Pharmacy		
5 (not) successfully completed Module level Other prerequisites 1 sem successfully completed Contents Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10) Method for bonus) a) talk (approx. 15 minutes) or Join the specific research topic and present the results of their work in a written report or oral present (type, scope, language – if other than German) P (10) Method for bonus) a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language - if other than German and/or English Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Vorklaad Teaching cycle	ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
Duration Module level Other prerequisites 1 semester undergraduate Contents This module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P P (10)	5	(not) s	successfully completed					
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the disciplire in question. Intended lear-ing outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (ao) Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English Additional information Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	Duratio	n	Module level	Other prerequisites				
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10) Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English Allocation of places Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	1 semes	ster	undergraduate					
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10) Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English Allocation of places Additional information Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	Conten	ts						
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (1o) Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English Allocation of places Additional information Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	This mo in the d	odule g lisciplii	ives students the opport ne in question.	unity to explore a res	earch topic and appl	y the methods commonly used		
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a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English Allocation of places Additional information Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	Method	l of ass	essment (type, scope, langua	ge — if other than German, e	examination offered — if no	t every semester, information on whether		
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Allocation of places Additional information Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	b) log (a Langua	approx ge of a	. 10 to 20 pages) ssessment: German and	or English				
Additional information Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	Allocati	ion of p	olaces					
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Additional information on module duration: block placement / block taught practical course with a duration of 20 days. Workload 150 h Teaching cycle	Additio	nal info	ormation					
Workload 150 h Teaching cycle	Additional information on module duration: block placement / block taught practical course with a duration of 20 days.							
150 h Teaching cycle	Workload							
Teaching cycle	150 h							
	Teaching cycle							
Referred to in LPO I (examination regulations for teaching-degree programmes)	Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	mmes)			



Module	title		Abbreviation						
Introduction to Inorganic Chemistry for Students of Biology, Medicine and 08-AC-NF-152-mo1 Dentistry									
Module	coord	inator		Module offered by					
lecturer mie für gie" (Ge dicine,	r of lect Studie eneral a Dentis	ture "Allgemeine and Anc rende der Medizin, Zahn and Inorganic Chemistry try and Biology)	organische Che- medizin and Biolo- for Students of Me-	Institute of Inorganic Chemistry					
ECTS	CTS Method of grading		Only after succ. compl. of module(s)						
3	nume	rical grade							
Duration		Module level	Other prerequisites	5					
1 seme	ster	undergraduate							
Contents									
This module provides students with an overview of the theoretical principles of inorganic chemistry. In addition, it introduces the fundamental techniques of inorganic chemistry in a lab course.									
Intended learning outcomes									
Students have become familiar with the fundamental principles of inorganic chemistry. They are able to identify fundamental problems in chemistry and perform experiments to solve them.									
Courses (type, number of weekly contact hours, language — if other than German)									
V (2)									
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)									
written examination (approx. 60 minutes) Language of assessment: German and/or English									
Allocation of places									
Additional information									
Workload									
90 h									
Teaching cycle									
Referred to in LPO I (examination regulations for teaching-degree programmes)									

Module	title			Abbreviation					
Inorgan	ic Che	mistry of the Elements		08-AS1-152-m01					
Module	coord	inator		Module offered by					
lecturer te" (Che	of lect of lect	ure "Chemie der Hauptgr of Main-group Elements	ruppenelemen-)	Institute of Inorganic Chemistry					
ECTS	Metho	od of grading	Only after succ. compl. of module(s)						
6	nume	rical grade							
Duration Module level		Module level	Other prerequisites						
1 semester u		undergraduate							
Contents									
This module equips students with an advanced knowledge of the periodic table and selected elements. It focu- ses on bonding conditions, trends in the periodic table and the description and structure of elements. In additi on, it introduces students to elementary organic chemistry, coordination chemistry and complex chemistry.									
Intended learning outcomes									
Students are able to characterise main group elements and transition metal elements in terms of their structure, reactivity and fabrication. They are able to identify the coordination of the atoms. In addition, they have learned how to use the periodic table, an essential tool for chemists.									
Courses (type, number of weekly contact hours, language — if other than German)									
V (2) + V (2)									
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)									
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 									
Allocation of places									
Additio	nal info	ormation							
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh									
Workload									
180 h									
Teaching cycle									
Referred to in LPO I (examination regulations for teaching-degree programmes)									
§ 62 Nr. 1									
Biochemistry ⊥ 08-BC1-152-m01 Module cvertinator Chair of Biochemistry Chair of Biochemistry ECTS Method of grading Only after succ. compl. of module(s) 5 numerical grade Duration Module level Other prerequisites 1 semester undergraduate Contents Contents Constraining lectures and exercises, this module acquaints students with the fundamental principles of biochemistry of proteins (amino acids, peptide bonds, prinary, secondary, tertiary and quaternary structures), catalytic strategies and enzyme kinetics, catalytic strategies of biochemistry of proteins (amino acid metabolism, the acid acidation, fatty acid ynthesis), nucleotide metabolism, the urea cycle and amino acid metabolism. (beta acidation discusses the structure of the DNA and the central dogm or molecular bioloxim. The module also discusses the structure of the DNA and the fundamental principles of the topics in biochemistry that were discussed in the module. They are able to describe the key biochemical processes in cellular systems. Courses	Module	title				Abbreviation			
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Module content is iter iter iter iter iter iter iter iter	Biochei	mistry	1			08-BC1-152-m01			
holder of the Chair of Biochemistry Chair of Biochemistry ECTS Method of grading Only after succ. compl. of module(s) 5 numerical grade Duration Module level Other prerequisites 1 semester undegraduate Contents Comprising lectures and exercises, this module acquaints students with the fundamental principles of biochemistry and quaternary structures), catalytic strategies and enzyme kinetics, carbohydrate metabolism (glycoly- sis, gluconegenesis, ciric acid cycle, cellular respiration, photosynthesis), fatty acid metabolism (beta oxida- tion, fatty acid synthesis), nucleotide metabolism, the urea cycle and amino acid metabolism. The module also discuses the structure of the DNA and the central dogma of molecular biology. Intended teaming outcomes Students have become familiar with the fundamental principles of the topics in biochemistry that were discus- sed in the module. They are able to describe the key biochemical processes in cellular systems. Courses (type, number of weekly contact hours, language – if other than German) V (2) + Ü (1) Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is critical of a cycle, and and no. 3 of annex 3 to the APOLmCh Module is of box on on inutes) Iso h Additional Information	Module	coord	inator		Module offered by				
ECTS Metion of grading Only after succ. compl. of module(s) 5 num-ical grade Duration Module level Other prerequisites 1 semester undergraduate Comerising lectures and exercises, this module acquaints students with the fundamental principles of bloche- mistry. A particular focus is on the blochemistry of proteins (amino acids, peptide bonds, primary, secondary, tertiary and quaternary structures), catalytic strategies and enzyme kinetics, carbodynate metabolism (glycoly- sis, gluconeogenesis, citria acid cycle, cellular respiration, photosynthesis), fatty acid metabolism. The module also discuses the structure of the DNA and the central dogma of molecular biology. Interdet learning outcomes Students have become familiar with the fundamental principles of the topics in blochemistry that were discus- sed in the module. They are able to describe the key blochemical processes in cellular systems. Courses (type, number of weekly contact hours, language – if other than German, V(2) + Ú (J Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) writter examination (approx. 6o to 90 minutes) Allocation of places	holder	of the (hair of Biochemistry		Chair of Biochemist	ry			
5 numerical grade Duration Module level Other prerequisites 1 semester undergraduate Comerising lectures and exercises, this module acquaints students with the fundamental principles of biochemistry of proteins (amino acids, peptide bonds, primary, secondary, tertiary and quaternary structures), catalytic strategies and enzyme kinetics, carbohydrate metabolism (glycolysis, gluconecyclesis, cliric acid cycle, cellular respiration, photosynthesis), fatty acid metabolism. The module also discusses the structure of the DNA and the central dogma of molecular biology. Intended learning outcomes Students have become familiar with the fundamental principles of the topics in biochemistry that were discussed in the module. They are able to describe the key biochemical processes in cellular systems. Courses (type, number of weekly contact hours, language – if other than German) V (2) + Û (.) Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) Method fascesses expendence 2 APOLmCh in conjunction with No. II and letter e) and No. II ast letter c) of annex 1 to the APOLmCh and No. 3 of annex 3 to the APOLmCh Module is regulation of place	ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)				
Duration Module level Other prerequisites 1 semester undergraduate Contents Comprising lectures and exercises, this module acquaints students with the fundamental principles of bioche- mistry. A particular focus is on the biochemistry of proteins (amino acids, peptide bonds, primary, secondary, tertiary and quaternary structures), catalytic strategies and enzyme kinetics, carbohydrate metabolism (bycoly- sis, gluconeogenesis, citric acid cycle, cellular respiration, photosynthesis), fatty acid metabolism (beta oxida- tion, fatty acid synthesis), nucleotide metabolism, the urea cycle and amino acid metabolism. The module also discusses the structure of the DNA and the central dogma of molecular biology. Intended learning outcomes Students have become familiar with the fundamental principles of the topics in biochemistry that were discus- sed in the module. They are able to describe the key biochemical processes in cellular systems. Courses (type, number of weekly contact hours, language – if other than German) V V (2) + Ü () Method of assesment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) written examination (approx. 6o to 90 minutes) Allocation of places Additional information according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. II 2nd letter e) and No. II 1st letter c) of an- nex 1 to the APOLmCh and No. 3 of annex 3 to the APOLmCh Yorkload	5	nume	rical grade						
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Workload 150 h Teaching cycle Referred to in LPO I (examination regulations for teaching-degree programmes) § 42 Nr. 2 § 62 Nr. 2	accordi nex 1 to	ng to § the AF	2 para. 2 sentence 2 APC OLmCh and No. 3 of ann	DLmCh in conjunction ex 3 to the APOLmCh	n with No. II 2nd lette	er e) and No. II 1st letter c) of an-			
150 h Teaching cycle Referred to in LPO I (examination regulations for teaching-degree programmes) § 42 Nr. 2 § 62 Nr. 2	Worklo	ad							
Teaching cycle Referred to in LPO I (examination regulations for teaching-degree programmes) § 42 Nr. 2 § 62 Nr. 2	150 h								
Referred to in LPO I (examination regulations for teaching-degree programmes) § 42 Nr. 2 § 62 Nr. 2	Teachir	ng cycl	9						
Referred to in LPO I (examination regulations for teaching-degree programmes) § 42 Nr. 2 § 62 Nr. 2									
§ 42 Nr. 2 § 62 Nr. 2	Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)				
	§ 42 N § 62 N	lr. 2 lr. 2							

Module	title				Abbreviation
Organic natural s	Chem scienc	istry for students of med es	licine, biomedicine, o	lental medicine and	08-OC-NF-152-m01
Module	coord	nator		Module offered by	
lecturer Medizin wissens	of lect , Biom chafte	ure "Organische Chemie edizin, Zahnmedizin, Ing n"	für Studierende der genieur- and Natur-	Institute of Organic	Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
3	nume	ical grade			
Duratior	n	Module level	Other prerequisites		
1 semes	ter	undergraduate			
Content	S				
This mo	dule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.
Intende	d learr	ing outcomes			
Student	s have	become familiar with th	e fundamental princi	ples of organic chem	iistry.
Courses	(type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)	
V (2)					
Method module is a	of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether
written e Languag	examir ge of a	nation (approx. 60 minut ssessment: German and	es) /or English		
Allocatio	on of p	olaces			
Addition	nal info	ormation			
Workloa	ıd				
90 h					
Teaching	g cycl	9			
Referred	to in	LPO I (examination regulation	s for teaching-degree progra	mmes)	

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module of Faculty Optiming the mod
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)ContentsInterregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the results of the results of the results of the rest of the results of the re
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCoursetCoursetCoursetCoursetCoursetCoursetCoursetCoursetStudents are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCourset
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5 (not) successfully completed Durati→ Module level Other prerequisites 1 sem >+ undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende learning outcomes Students are suble to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses type of weekly contact hours, language – if other than German)
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
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Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
Courses (type, number of weekly contact hours, language — if other than German)
P (10)
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether
a) talk (approx 15 minutes) or
b) log (approx. 10 to 20 pages)
Language of assessment: German and/or English
Allocation of places
Additional information
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.
Workload
150 h
Teaching cycle
Referred to in LPO I (examination regulations for teaching-degree programmes)



Winter Term 2022

Module	title				Abbreviation
Introdu Dentist	ction t ry	o Inorganic Chemistry fo	r Students of Biology	, Medicine and	08-AC-NF-152-m01
Module	coord	inator		Module offered by	•
lecturer mie für gie" (Ge dicine,	r of lect Studie eneral a Dentis	ture "Allgemeine and And rende der Medizin, Zahn and Inorganic Chemistry try and Biology)	organische Che- medizin and Biolo- for Students of Me-	Institute of Inorgan	ic Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
3	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
This mo it introc	odule p luces t	rovides students with an he fundamental techniqu	overview of the theo les of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.
Intende	ed lear	ning outcomes			
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	rman)	
V (2)					
Methoc module is	l of ass creditab	sessment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether
written Langua	examiı ge of a	nation (approx. 60 minut ssessment: German and	es) /or English		
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
90 h					
Teachir	ng cycl	e			
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)	

Module	e title				Abbreviation
Princip	les of I	norganic Chemistry			08-AC1-152-m01
Module	e coord	inator		Module offered by	
lecture Chemis	r of lect stry)	ture "Experimentalchemie	e" (Experimental	Institute of Inorgani	ic Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
8	nume	rical grade			
Duratio	on	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
The mo rial and In addi mistry.	dule p d partic tion, th	rovides an overview of the le level, metals, acid-bas e module introduces fund	e fundamental know e reactions, the perio damental concepts o	ledge of chemistry. E odic table, chemical f chemistry and teac	mphasis is placed on the mate- equilibrium and complexometry. hes the basics of inorganic che-
Intende	ed learı	ning outcomes			
The stu cient in actions dents k lication	Ident un basic Susing Know ho	nderstands the principles models of the structure o typical chemical formula by the most important qu	of the periodic table f matter and can des language and interp lantitative and qualit	e and can obtain info cribe them properly. ret them by identifyir ative analytical meth	ormation from it. He/she is profi- He/she can depict chemical re- ng the type of reaction. The stu- nods work and their areas of app-
Course	S (type, n	umber of weekly contact hours, la	anguage — if other than Gei	rman)	
V (4) +	V (2)				
Metho module is	d of ass s creditab	s essment (type, scope, languag le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether
a) writt b) oral c) oral d) log (e) pres Langua	en exar examin examin (approx entatio age of a	mination (approx. 90 to 1 action of one candidate ex ation in groups of up to 3 . 20 pages) or n (approx. 30 minutes) ssessment: German and/	80 minutes) or ach (20 to 30 minute candidates (approx ′or English	s) or . 15 minutes per cano	didate) or
Allocat	ion of p	olaces	-		
Additio	onal inf	ormation			
accord and No	ing to § 0. 1 of a	2 para. 2 sentence 2 APC nnex 2 to the APOLmCh	DLmCh in conjunction	n with No. I 2nd lette	r a) of annex 1 to the APOLmCh
Worklo	ad				
240 h					
Teachi	ng cycl	e			
Referre	ed to in	LPO I (examination regulations	s for teaching-degree progra	mmes)	
§ 42 N § 62 N	Nr. 1 and Nr. 1	d § 22 II Nr. 1 h)			

Module	e title				Abbreviation
Organio natural	c Chem scienc	istry for students of mea es	licine, biomedicine, o	lental medicine and	08-OC-NF-152-m01
Module	e coord	inator		Module offered by	
lecture Medizir wissen	r of lect n, Biom schafte	ture "Organische Chemie Iedizin, Zahnmedizin, Ing In"	für Studierende der genieur- and Natur-	Institute of Organic	Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
3	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
This mo	odule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.
Intende	ed lear	ning outcomes			
Studen	ts have	e become familiar with th	e fundamental princi	ples of organic chem	istry.
Course	S (type, r	umber of weekly contact hours, I	anguage — if other than Ger	rman)	
V (2)					
Methoo module is	d of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and	es) /or English		
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
90 h					
Teachir	ng cycl	e			
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)	

Advance is students the opport of the result of the res
Module coordModule offered byhead of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethod of gradingOnly after succ. co5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContentsThis module students the opport inty to explore a research topic and apply the methods commonly used in the disciplinary in question.Intended learning outcomes
Faculty of Chemistry and PharmacyFaculty of Chemistry and PharmacyECTSMethod of gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Intende learning outcomes
ECTSMeth $ order of grading $ Only after succ. compl. of module(s)5(not) $ i uccessfully completed $ DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opportunity to explore a research topic and apply the methods commonly used in the disciplinary in question.Intended learning outcomesContents
5 (not) successfully completed Duration Module level Other prerequisites 1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes
Duration Module level Other prerequisites 1 semester undergraduate Contents Image: Students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Image: Students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Circle a transmitter of the transmitter
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Circle the standard standar
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes
Intended learning outcomes
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation.
Courses (type, number of weekly contact hours, language — if other than German)
P (10)
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English
Allocation of places
Additional information
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.
Workload
150 h
Teaching cycle
Referred to in LPO I (examination regulations for teaching-degree programmes)



Summer Term 2023

Module	title				Abbreviation
Introdu Dentist	ction t ry	o Inorganic Chemistry fo	r Students of Biology	/, Medicine and	08-AC-NF-152-m01
Module	coord	inator		Module offered by	
lecturer mie für gie" (Ge dicine,	r of lect Studie eneral a Dentis	ture "Allgemeine and And rende der Medizin, Zahn and Inorganic Chemistry try and Biology)	organische Che- medizin and Biolo- for Students of Me-	Institute of Inorgan	ic Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
3	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
This mo it introc	odule p duces t	rovides students with an he fundamental techniqu	overview of the theo les of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.
Intende	ed lear	ning outcomes			
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify
Course	S (type, r	umber of weekly contact hours, l	anguage — if other than Gei	rman)	
V (2)					
Methoo module is	d of ass creditab	s essment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and,	es) /or English		
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
90 h					
Teachir	ıg cycl	e			
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	immes)	

Module	title				Abbreviation
Inorgan	ic Che	mistry of the Elements			08-AS1-152-m01
Module	coord	inator		Module offered by	
lecturer te" (Che	of lect of lect	ure "Chemie der Hauptgr of Main-group Elements	ruppenelemen-)	Institute of Inorgani	ic Chemistry
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)	
6	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 semes	ster	undergraduate			
Content	ts				
This mo ses on l on, it in	odule e bondin troduc	quips students with an a g conditions, trends in th es students to elementar	dvanced knowledge ne periodic table and y organic chemistry,	of the periodic table the description and coordination chemis	and selected elements. It focu- structure of elements. In additi- stry and complex chemistry.
Intende	d learr	ning outcomes			
Student reactivi how to	ts are a ty and use the	ble to characterise main fabrication. They are able periodic table, an esser	group elements and e to identify the coorc ntial tool for chemists	transition metal eler lination of the atoms 5.	ments in terms of their structure, s. In addition, they have learned
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + V	/ (2)				
Method module is	l of ass creditab	e ssment (type, scope, langua) le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
a) writte b) oral e c) oral e d) log (a e) prese Langua	en exar examin examin approx entatio ge of a	nination (approx. 90 to 1 ation of one candidate e ation in groups of up to 3 . 20 pages) or n (approx. 30 minutes) ssessment: German and/	80 minutes) or ach (20 to 30 minute 3 candidates (approx. ⁄or English	s) or . 15 minutes per cano	didate) or
Allocati	ion of p	olaces			
Additio	nal info	ormation			
accordi and No.	ng to § . 1 of ar	2 para. 2 sentence 2 APC nnex 2 to the APOLmCh	OLmCh in conjunction	n with No. I 2nd lette	r a) of annex 1 to the APOLmCh
Worklo	ad				
180 h					
Teachin	ig cycl	9			
Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)	
§621N	r. 1				

Module	e title				Abbreviation
Bioche	mistry	1			08-BC1-152-m01
Module	e coord	inator		Module offered by	
holder	of the (Chair of Biochemistry	_	Chair of Biochemist	try
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)	
5	nume	rical grade			
Duratio	on	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
mistry. tertiary sis, glu tion, fa discuss	A parti and qu coneog tty acic ses the	cular focus is on the bioc uaternary structures), cata genesis, citric acid cycle, I synthesis), nucleotide n structure of the DNA and	hemistry of proteins alytic strategies and cellular respiration, p netabolism, the urea the central dogma o	(amino acids, peptic enzyme kinetics, car bhotosynthesis), fatt cycle and amino aci f molecular biology.	de bonds, primary, secondary, bohydrate metabolism (glycoly- cy acid metabolism (beta oxida- d metabolism. The module also
Intende	ed lear	ning outcomes			
Studen sed in t	its have the mo	e become familiar with th dule. They are able to des	e fundamental princi scribe the key bioche	ples of the topics in mical processes in c	biochemistry that were discus- cellular systems.
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) +	Ü (1)				
Metho module is	d of ass s creditab	sessment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether
written	exami	nation (approx. 60 to 90 l	minutes)		
Allocat	ion of p	olaces			
	-				
Additio	onal inf	ormation			
accord nex 1 to	ing to § o the Al	2 para. 2 sentence 2 AP POLmCh and No. 3 of ann	OLmCh in conjunction ex 3 to the APOLmCh	n with No. II 2nd lette	er e) and No. II 1st letter c) of an-
Worklo	ad				
150 h					
Teachi	ng cycl	e			
Referre	ed to in	LPO I (examination regulations	s for teaching-degree progra	mmes)	
§ 42 N § 62 N	Nr. 2 Nr. 2				

Module	title				Abbreviation
Organic natural s	Chem scienc	istry for students of med es	licine, biomedicine, o	lental medicine and	08-OC-NF-152-m01
Module	coord	nator		Module offered by	
lecturer Medizin wissens	of lect , Biom chafte	ure "Organische Chemie edizin, Zahnmedizin, Ing n"	für Studierende der genieur- and Natur-	Institute of Organic	Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
3	nume	ical grade			
Duratior	n	Module level	Other prerequisites		
1 semes	ter	undergraduate			
Content	S				
This mo	dule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.
Intende	d learr	ing outcomes			
Student	s have	become familiar with th	e fundamental princi	ples of organic chem	iistry.
Courses	(type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)	
V (2)					
Method module is a	of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether
written e Languag	examir ge of a	nation (approx. 60 minut ssessment: German and	es) /or English		
Allocatio	on of p	olaces			
Addition	nal info	ormation			
Workloa	ıd				
90 h					
Teaching	g cycl	9			
Referred	to in	LPO I (examination regulation	s for teaching-degree progra	mmes)	

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module ofECTSMet-f gradingOnly after succ. or module(s)5Module level $-i$ Outre reprequisites0Module levelOther prerequisites1 sem $-i$ undergraduate $-i$ ConterTis module students the opport with to explore a research topic and approximation of the methods commonly used for the method sector the method sector the method sector the methods commonly used for the method sector the meth
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)ContentsInterregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the results of the results of the results of the rest of the results of the re
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCoursetCoursetCoursetCoursetCoursetCoursetCoursetCoursetStudents are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCourset
ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contentric This module students the opport inty to explore a research topic and apply the methods commonly used in the discipline in question. Intender students are students the opport inty to explore a research topic and apply the methods commonly used or and apply the methods commonly used in the discipline in question. Students are students are support a specific research topic and present the results of their work in a written report or oral presentation. Courses type of weekly contact hours, sugge – if other than German)
5 (not) successfully completed Durati→ Module level Other prerequisites 1 sem >+ undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende lear Students are suble to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses type of weekly contact hours, language – if other than German)
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)
Courses (type, number of weekly contact hours, language — if other than German)
P (10)
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether
a) talk (approx 15 minutes) or
b) log (approx. 10 to 20 pages)
Language of assessment: German and/or English
Allocation of places
Additional information
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.
Workload
150 h
Teaching cycle
Referred to in LPO I (examination regulations for teaching-degree programmes)



Winter Term 2023

Module	Module title Abbreviation						
Introdu Dentist	Introduction to Inorganic Chemistry for Students of Biology, Medicine and 08-AC-NF-152-mo1 Dentistry						
Module	coord	inator		Module offered by			
lecturer of lecture "Allgemeine and Anorganische Che- mie für Studierende der Medizin, Zahnmedizin and Biolo- gie" (General and Inorganic Chemistry for Students of Me- dicine, Dentistry and Biology)				Institute of Inorganic Chemistry			
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
3	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
This mo it introc	odule p duces t	rovides students with an he fundamental techniqu	overview of the theo les of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.		
Intende	ed lear	ning outcomes					
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify		
Course	S (type, r	umber of weekly contact hours, l	anguage — if other than Gei	rman)			
V (2)							
Methoo module is	d of ass creditab	s essment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether		
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and,	es) /or English				
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Workload							
90 h							
Teaching cycle							
Referre	d to in	LPO I (examination regulations	s for teaching-degree progra	immes)			

Module title					Abbreviation		
Principles of Inorganic Chemistry					08-AC1-152-m01		
Module	e coord	inator		Module offered by			
lecture Chemis	r of lect stry)	ture "Experimentalchemie	e" (Experimental	Institute of Inorgani	ic Chemistry		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
8	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
The mo rial and In addi mistry.	dule p d partic tion, th	rovides an overview of the le level, metals, acid-bas e module introduces fund	e fundamental know e reactions, the perio damental concepts o	ledge of chemistry. E odic table, chemical f chemistry and teac	mphasis is placed on the mate- equilibrium and complexometry. hes the basics of inorganic che-		
Intende	ed learı	ning outcomes					
The student understands the principles of the periodic table and can obtain information from it. He/she is profi- cient in basic models of the structure of matter and can describe them properly. He/she can depict chemical re- actions using typical chemical formula language and interpret them by identifying the type of reaction. The stu- dents know how the most important quantitative and qualitative analytical methods work and their areas of app- lication							
Course	S (type, n	number of weekly contact hours, la	anguage — if other than Gei	rman)			
V (4) +	V (2)						
Metho module is	d of ass s creditab	sessment (type, scope, languag le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether		
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of accessment: German and/or English 							
Allocat	ion of p	olaces					
Additio	onal info	ormation					
accord and No	ing to § . 1 of a	2 para. 2 sentence 2 APC nnex 2 to the APOLmCh	DLmCh in conjunction	n with No. I 2nd lette	r a) of annex 1 to the APOLmCh		
Workload							
240 h							
Teaching cycle							
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						
§ 42 N § 62 N	Vr. 1 and Vr. 1	d § 22 II Nr. 1 h)					
	3.02.1.1.1						

Module	title			Abbreviation				
Organic natural s	Organic Chemistry for students of medicine, biomedicine, dental medicine and 08-0C-NF-152-mo1 natural sciences							
Module	coord	nator		Module offered by				
lecturer of lecture "Organische Chemie für Studierende der Medizin, Biomedizin, Zahnmedizin, Ingenieur- and Natur- wissenschaften"				Institute of Organic Chemistry				
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)				
3	nume	ical grade						
Duratior	n	Module level	Other prerequisites					
1 semes	ter	undergraduate						
Content	S							
This mo	dule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.			
Intende	d learr	ing outcomes						
Student	s have	become familiar with th	e fundamental princi	ples of organic chem	iistry.			
Courses	(type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)				
V (2)								
Method module is a	of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether			
written e Languag	examir ge of a	nation (approx. 60 minut ssessment: German and	es) /or English					
Allocatio	on of p	olaces						
Additional information								
Workload								
90 h								
Teaching cycle								
Referred	to in	LPO I (examination regulation	s for teaching-degree progra	mmes)				

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module of Faculty Optiming the mod						
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)ContentsInterregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the prerequisite successfully completed)Interregroup offering the opport of the rest of the results of the results of the results of the rest of the results of the re						
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCoursetCoursetCourset						
ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contentric This module students the opport inty to explore a research topic and apply the methods commonly used in the discipline in question. Intender students are students the opport inty to explore a research topic and apply the methods commonly used or and apply the methods commonly used in the discipline in question. Students are students are support a specific research topic and present the results of their work in a written report or oral presentation. Courses type of weekly contact hours, sugge – if other than German)						
5 (not) successfully completed Durati→ Module level Other prerequisites 1 sem >+ undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende lear Students are suble to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses type of weekly contact hours, language – if other than German)						
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)						
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Courses (type, number of weekly contact hours, language — if other than German)						
P (10)						
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether						
a) talk (approx 15 minutes) or						
b) log (approx. 10 to 20 pages)						
Language of assessment: German and/or English						
Allocation of places						
Additional information						
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.						
Workload						
150 h						
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						



Summer Term 2024

Module	Module title Abbreviation						
Introdu Dentist	Introduction to Inorganic Chemistry for Students of Biology, Medicine and 08-AC-NF-152-mo1 Dentistry						
Module	coord	inator		Module offered by	• 		
lecturer of lecture "Allgemeine and Anorganische Che- mie für Studierende der Medizin, Zahnmedizin and Biolo- gie" (General and Inorganic Chemistry for Students of Me- dicine, Dentistry and Biology)				Institute of Inorganic Chemistry			
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
3	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
This mo it introc	odule p luces t	rovides students with an he fundamental techniqu	overview of the theo les of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.		
Intende	ed lear	ning outcomes					
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify		
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	rman)			
V (2)							
Method module is	l of ass creditab	sessment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
written Langua	examiı ge of a	nation (approx. 60 minut ssessment: German and	es) /or English				
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Workload							
90 h							
Teachir	ng cycl	e					
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)			

Module	Module title Abbreviation						
Inorgan	ic Che	mistry of the Elements		08-AS1-152-m01			
Module	coord	inator		Module offered by			
lecturer te" (Che	of lect of lect	ure "Chemie der Hauptgr of Main-group Elements	ruppenelemen-)	Institute of Inorgani	ic Chemistry		
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
6	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 semes	ster	undergraduate					
Content	ts						
This mo ses on l on, it in	odule e bondin troduc	quips students with an a g conditions, trends in th es students to elementar	dvanced knowledge ne periodic table and y organic chemistry,	of the periodic table the description and coordination chemis	and selected elements. It focu- structure of elements. In additi- stry and complex chemistry.		
Intende	d learr	ning outcomes					
Student reactivi how to	ts are a ty and use the	ble to characterise main fabrication. They are able periodic table, an esser	group elements and e to identify the coorc ntial tool for chemists	transition metal eler lination of the atoms 5.	ments in terms of their structure, s. In addition, they have learned		
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)			
V (2) + V (2)							
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)							
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 							
Allocati	ion of p	olaces					
Additio	nal info	ormation					
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh							
Workload							
180 h	180 h						
Teachin	ig cycl	9					
Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)			
§621N	r. 1						

Module title Abbreviation							
Bioche	mistry	1			08-BC1-152-m01		
Module	e coord	inator		Module offered by			
holder	of the (Chair of Biochemistry	_	Chair of Biochemist	try		
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)			
5	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
mistry. A particular focus is on the biochemistry of proteins (amino acids, peptide bonds, primary, secondary, tertiary and quaternary structures), catalytic strategies and enzyme kinetics, carbohydrate metabolism (glycoly- sis, gluconeogenesis, citric acid cycle, cellular respiration, photosynthesis), fatty acid metabolism (beta oxida- tion, fatty acid synthesis), nucleotide metabolism, the urea cycle and amino acid metabolism. The module also discusses the structure of the DNA and the central dogma of molecular biology.							
Intende	ed lear	ning outcomes					
Studen sed in t	its have the mo	e become familiar with th dule. They are able to des	e fundamental princi scribe the key bioche	ples of the topics in mical processes in c	biochemistry that were discus- cellular systems.		
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)			
V (2) +	Ü (1)						
Metho module is	d of ass s creditab	sessment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether		
written	exami	nation (approx. 60 to 90 l	minutes)				
Allocation of places							
	-						
Additional information							
according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. II 2nd letter e) and No. II 1st letter c) of an- nex 1 to the APOLmCh and No. 3 of annex 3 to the APOLmCh							
Workload							
150 h							
Teaching cycle							
Referre	ed to in	LPO I (examination regulations	s for teaching-degree progra	mmes)			
§ 42 N § 62 N	Nr. 2 Nr. 2						

Module	title			Abbreviation				
Organic natural s	Organic Chemistry for students of medicine, biomedicine, dental medicine and 08-0C-NF-152-mo1 natural sciences							
Module	coord	nator		Module offered by				
lecturer of lecture "Organische Chemie für Studierende der Medizin, Biomedizin, Zahnmedizin, Ingenieur- and Natur- wissenschaften"				Institute of Organic Chemistry				
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)				
3	nume	ical grade						
Duratior	n	Module level	Other prerequisites					
1 semes	ter	undergraduate						
Content	S							
This mo	dule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.			
Intende	d learr	ing outcomes						
Student	s have	become familiar with th	e fundamental princi	ples of organic chem	iistry.			
Courses	(type, n	umber of weekly contact hours, l	anguage — if other than Ger	rman)				
V (2)								
Method module is a	of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether			
written e Languag	examir ge of a	nation (approx. 60 minut ssessment: German and	es) /or English					
Allocatio	on of p	olaces						
Additional information								
Workload								
90 h								
Teaching cycle								
Referred	to in	LPO I (examination regulation	s for teaching-degree progra	mmes)				

Advanceo8-OP-152-mo1Module offered byModule offered byhead $-i$ Faculty of Chemistry Optiming the module ofECTSMet-regratingOnly after succ. or module(s)5Module level $-i$ Outre regrating to the prerequisites1 seme $-i$ Module levelOther prerequisitesOther prerequisitesI seme $-i$ I seme $-i$						
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMethod gradingOnly after succ. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 sem sucundergraduateConterstander grading in query diversionThis module gives students the opporting to explore a rest to pic and apply the methods commonly used in the bis students the opporting to explore a rest to pic and apply the methods commonly used in the bis students the opport of the results of their work in a written report or oral present students to explore a specific rest of the results of their work in a written report or oral present students the opport students the opport student of the results o						
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are ble to explore a specific research topic and public soft their work in a written report or oral presentation.CoursetCoursetCoursetCourset						
ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contents undergraduate This module students the opport inty to explore a research topic and apply the methods commonly used in the discipline in question. Intender students are students the opport inty to explore a research topic and apply the methods commonly used or and present the results of their work in a written report or oral presentation. Students are students of weekly contact hours, busices and present the results of their work in a written report or oral presentation. Courses type of weekly contact hours, busices are if other than German)						
5 (not) successfully completed Durati→ Module level Other prerequisites 1 sem >+ undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende learning outcomes Students are suble to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses type of weekly contact hours, language – if other than German)						
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended learStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)						
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
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This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)						
Courses (type, number of weekly contact hours, language — if other than German)						
P (10)						
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether						
a) talk (approx 15 minutes) or						
b) log (approx. 10 to 20 pages)						
Language of assessment: German and/or English						
Allocation of places						
Additional information						
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.						
Workload						
150 h						
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						



Winter Term 2024

Module	title			Abbreviation			
Introdu Dentist	Introduction to Inorganic Chemistry for Students of Biology, Medicine and O8-AC-NF-152-mo1 Dentistry						
Module	e coord	inator		Module offered by			
lecturer of lecture "Allgemeine and Anorganische Che- mie für Studierende der Medizin, Zahnmedizin and Biolo- gie" (General and Inorganic Chemistry for Students of Me- dicine, Dentistry and Biology)				Institute of Inorganic Chemistry			
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
3	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
This mo it introc	odule p duces t	rovides students with an he fundamental techniqu	overview of the theo ues of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.		
Intende	ed leari	ning outcomes					
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify		
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Gei	rman)			
V (2)							
Methoo module is	l of ass creditab	sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if n	ot every semester, information on whether		
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and	es) /or English				
Allocat	ion of p	olaces					
Additio	nal inf	ormation					
Workload							
90 h	90 h						
Teaching cycle							
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)			

Module title					Abbreviation		
Principles of Inorganic Chemistry					08-AC1-152-m01		
Module coordinator				Module offered by			
lecture Chemis	r of lect stry)	ture "Experimentalchemie	e" (Experimental	Institute of Inorgani	ic Chemistry		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
8	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate					
Conten	ts						
The mo rial and In addi mistry.	dule p d partic tion, th	rovides an overview of the le level, metals, acid-bas e module introduces fund	e fundamental know e reactions, the perio damental concepts o	ledge of chemistry. E odic table, chemical f chemistry and teac	mphasis is placed on the mate- equilibrium and complexometry. hes the basics of inorganic che-		
Intende	ed learı	ning outcomes					
The student understands the principles of the periodic table and can obtain information from it. He/she is profi- cient in basic models of the structure of matter and can describe them properly. He/she can depict chemical re- actions using typical chemical formula language and interpret them by identifying the type of reaction. The stu- dents know how the most important quantitative and qualitative analytical methods work and their areas of app- lication							
Course	S (type, n	umber of weekly contact hours, la	anguage — if other than Gei	rman)			
V (4) +	V (2)						
Metho module is	d of ass s creditab	s essment (type, scope, languag le for bonus)	ge — if other than German,	examination offered — if no	t every semester, information on whether		
 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of accessment. German and/or English 							
Allocat	ion of p	olaces	-				
Additio	onal inf	ormation					
accord and No	ing to § 0. 1 of a	2 para. 2 sentence 2 APC nnex 2 to the APOLmCh	DLmCh in conjunction	n with No. I 2nd lette	r a) of annex 1 to the APOLmCh		
Workload							
240 h							
Teaching cycle							
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						
§ 42 N § 62 N	Nr. 1 and Nr. 1	d § 22 II Nr. 1 h)					
	3.02 TNI. 1						

Module title					Abbreviation			
Organio natural	Organic Chemistry for students of medicine, biomedicine, dental medicine and 08-OC-NF-152-mo1 natural sciences							
Module	e coord	inator		Module offered by				
lecturer of lecture "Organische Chemie für Studierende der Medizin, Biomedizin, Zahnmedizin, Ingenieur- and Natur- wissenschaften"				Institute of Organic Chemistry				
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)				
3	nume	rical grade						
Duratio	n	Module level	Other prerequisites					
1 seme	ster	undergraduate						
Conten	ts							
This mo	odule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.			
Intende	ed lear	ning outcomes						
Studen	ts have	e become familiar with th	e fundamental princi	ples of organic chem	istry.			
Course	S (type, r	umber of weekly contact hours, I	anguage — if other than Ger	rman)				
V (2)								
Methoo module is	d of ass creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether			
written examination (approx. 60 minutes) Language of assessment: German and/or English								
Allocat	ion of p	olaces						
Additional information								
Workload								
90 h	90 h							
Teaching cycle								
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	mmes)				

Advanceose OP-152-mo1Module offered by head $- t = t = t = t = t = t = t = t = t = t $	
ModuleModule offered byhead of the rest of group offering the oduleFaculty of Chemistry and PharmacyECTSMetwork of gradingOnly after succ. of module(s)5(not) successfully completed)DurationModule levelOther prerequisites1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)1 sem successfully completed)Contents successfully completed)InterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduateInterregraduate <td c<="" td=""></td>	
head of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethor gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation.ContersterStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.CoursetCourset	
ECTS Met→ of grading Only after succ. compl. of module(s) 5 (not>uccessfully completed) Duration Module level Other prerequisites 1 semetric undergraduate 1 semetric undergraduate Contents Intendergraduate Intendergraduate Students the opport with the explore a research topic and apply the methods commonly used in the discipline in question. Intendergraduate Students are bet to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses: type. Juber of weekly contact hours, Juage – if other than German)	
5 (not) successfully completed Durati → Module level Other prerequisites 1 sem > undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intende learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses Courses in the opportunity is the opportunity of their than German)	
DurationModule levelOther prerequisites1 semesterundergraduateContentsThis module gives students the opport with to explore a research topic and apply the methods commonly used in the discipline in question.Intended lear-ing outcomesStudents are able to explore a specific research topic and present the results of their work in a written report or oral presentation.Courses (type, number of weekly contact hours, language – if other than German)	
1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)	
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)	
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)	
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)	
Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German)	
Courses (type, number of weekly contact hours, language — if other than German)	
P (10)	
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether	
a) talk (approx 15 minutes) or	
b) log (approx. 10 to 20 pages)	
Language of assessment: German and/or English	
Allocation of places	
Additional information	
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.	
Workload	
150 h	
Teaching cycle	
Referred to in LPO I (examination regulations for teaching-degree programmes)	



Summer Term 2025

Module	title				Abbreviation
Introdu Dentist	ction t ry	o Inorganic Chemistry fo	r Students of Biology	/, Medicine and	08-AC-NF-152-m01
Module	coord	inator		Module offered by	
lecturer mie für gie" (Ge dicine,	r of lect Studie eneral a Dentis	ture "Allgemeine and Anc rende der Medizin, Zahn and Inorganic Chemistry try and Biology)	organische Che- medizin and Biolo- for Students of Me-	Institute of Inorgan	ic Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
3	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
This mo it introc	odule p duces t	rovides students with an he fundamental techniqu	overview of the theo les of inorganic chem	retical principles of histry in a lab course	inorganic chemistry. In addition, e.
Intende	ed lear	ning outcomes			
Studen fundarr	ts have iental p	e become familiar with th problems in chemistry an	e fundamental princi d perform experimen	ples of inorganic ch ts to solve them.	emistry. They are able to identify
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Gei	rman)	
V (2)					
Methoo module is	d of ass creditab	sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether
written Langua	examii ge of a	nation (approx. 60 minut ssessment: German and,	es) /or English		
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
90 h					
Teachir	ıg cycl	e			
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	immes)	

Module	title				Abbreviation
Inorgan	ic Che	mistry of the Elements			08-AS1-152-m01
Module	coord	inator		Module offered by	
lecturer te" (Che	of lect of lect	ure "Chemie der Hauptgr of Main-group Elements	ruppenelemen-)	Institute of Inorgani	ic Chemistry
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)	
6	nume	rical grade			
Duratio	n	Module level	Other prerequisites		
1 semes	ster	undergraduate			
Content	ts				
This mo ses on l on, it in	odule e bondin troduc	quips students with an a g conditions, trends in th es students to elementar	dvanced knowledge ne periodic table and y organic chemistry,	of the periodic table the description and coordination chemis	and selected elements. It focu- structure of elements. In additi- stry and complex chemistry.
Intende	d learr	ning outcomes			
Student reactivi how to	ts are a ty and use the	ble to characterise main fabrication. They are able periodic table, an esser	group elements and e to identify the coorc ntial tool for chemists	transition metal eler lination of the atoms 5.	ments in terms of their structure, s. In addition, they have learned
Courses	5 (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) + V	/ (2)				
Method module is	l of ass creditab	e ssment (type, scope, langua) le for bonus)	ge — if other than German, e	examination offered — if no	t every semester, information on whether
a) writte b) oral e c) oral e d) log (a e) prese Langua	en exar examin examin approx entatio ge of a	nination (approx. 90 to 1 ation of one candidate e ation in groups of up to 3 . 20 pages) or n (approx. 30 minutes) ssessment: German and/	80 minutes) or ach (20 to 30 minute 3 candidates (approx. ⁄or English	s) or . 15 minutes per cano	didate) or
Allocati	ion of p	olaces			
Additio	nal info	ormation			
accordi and No.	ng to § . 1 of ar	2 para. 2 sentence 2 APC nnex 2 to the APOLmCh	OLmCh in conjunction	n with No. I 2nd lette	r a) of annex 1 to the APOLmCh
Worklo	ad				
180 h					
Teachin	ig cycl	9			
Referre	d to in	LPOI (examination regulations	s for teaching-degree progra	mmes)	
§621N	r. 1				

Module	e title				Abbreviation
Bioche	mistry	1			08-BC1-152-m01
Module	e coord	inator		Module offered by	
holder	of the (Chair of Biochemistry	_	Chair of Biochemist	try
ECTS	Metho	od of grading	Only after succ. com	pl. of module(s)	
5	nume	rical grade			
Duratio	on	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
mistry. tertiary sis, glu tion, fa discuss	A parti and qu coneog tty acic ses the	cular focus is on the bioc uaternary structures), cata genesis, citric acid cycle, I synthesis), nucleotide n structure of the DNA and	hemistry of proteins alytic strategies and cellular respiration, p netabolism, the urea the central dogma o	(amino acids, peptic enzyme kinetics, car bhotosynthesis), fatt cycle and amino aci f molecular biology.	de bonds, primary, secondary, bohydrate metabolism (glycoly- cy acid metabolism (beta oxida- d metabolism. The module also
Intende	ed lear	ning outcomes			
Studen sed in t	its have the mo	e become familiar with th dule. They are able to des	e fundamental princi scribe the key bioche	ples of the topics in mical processes in c	biochemistry that were discus- cellular systems.
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)	
V (2) +	Ü (1)				
Metho module is	d of ass s creditab	sessment (type, scope, langua le for bonus)	ge — if other than German, e	examination offered — if no	ot every semester, information on whether
written	exami	nation (approx. 60 to 90 l	minutes)		
Allocat	ion of p	olaces			
	-				
Additio	onal inf	ormation			
accord nex 1 to	ing to § o the Al	2 para. 2 sentence 2 APC POLmCh and No. 3 of ann	OLmCh in conjunction ex 3 to the APOLmCh	n with No. II 2nd lette	er e) and No. II 1st letter c) of an-
Worklo	ad				
150 h					
Teachi	ng cycl	e			
Referre	ed to in	LPO I (examination regulations	s for teaching-degree progra	mmes)	
§ 42 N § 62 N	Nr. 2 Nr. 2				

Module	e title				Abbreviation
Organi natural	c Chem l scienc	istry for students of mec	licine, biomedicine, o	lental medicine and	08-OC-NF-152-m01
Module	e coord	inator		Module offered by	
lecture Medizi wissen	r of lect n, Biom schafte	ture "Organische Chemie Iedizin, Zahnmedizin, Ing en"	für Studierende der genieur- and Natur-	Institute of Organic	Chemistry
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)	
3	nume	rical grade			
Duratio	on	Module level	Other prerequisites		
1 seme	ster	undergraduate			
Conten	ts				
This mo	odule p	rovides students with an	overview of the theo	retical principles of o	organic chemistry.
Intende	ed lear	ning outcomes			
Studen	its have	e become familiar with th	e fundamental princi	ples of organic chem	istry.
Course	S (type, r	umber of weekly contact hours, l	anguage — if other than Ger	rman)	
V (2)					
Metho module is	d of ass s creditab	essment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	t every semester, information on whether
written Langua	examii ige of a	nation (approx. 60 minut ssessment: German and,	es) /or English		
Allocat	ion of p	olaces			
Additio	onal inf	ormation			
Worklo	ad				
90 h					
Teachi	ng cycl	e			
Referre	ed to in	LPOI (examination regulation	s for teaching-degree progra	mmes)	

Advanced chemical practical course 08-0P-152-m01 Module cordinator Module offered by head of the research group offering the module Faculty of Chemistry and Pharmacy ECTS Metrop of grading Only after succ. compl. of module(s) 5 (not) successfully completed Duratior Module level Other prerequisites 1 semester undergraduate Contents ECts Module level Other prerequisites 1 semester undergraduate 1 semester undergraduate Stodents Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intender serve able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10)
Module coordinationModule offered byhead of the research group offering the moduleFaculty of Chemistry and PharmacyECTSMethod of gradingOnly after succ. compl. of module(s)5(not) successfully completedDurationModule levelOther prerequisites1 semesterundergraduateContersterThis module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question.Intende learing outcomesStudents are able to explore a specific research topic and present the results of their work in a written report or oral presents.Courses (type, number of weekly contact hours, language – if other than German)P (10)
head of the research group offering the module Faculty of Chemistry and Pharmacy ECTS Method of grading Only after succ. compl. of module(s) 5 (not) successfully completed Duration Module level Other prerequisites 1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Intender learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10) P (10) P (10) P (10)
ECTS Meth→ of grading Only after succ. compl. of module(s) 5 (not) successfully completed Duration Module level Other prerequisites 1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10)
5 (not) successfully completed Duration Module level Other prerequisites 1 semester undergraduate Contents Intendule sives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10)
Duration Module level Other prerequisites 1 semester undergraduate Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10)
1 semester undergraduate Contents
Contents This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10)
This module gives students the opportunity to explore a research topic and apply the methods commonly used in the discipline in question. Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10)
Intended learning outcomes Students are able to explore a specific research topic and present the results of their work in a written report or oral presentation. Courses (type, number of weekly contact hours, language – if other than German) P (10)
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Courses (type, number of weekly contact hours, language — if other than German)
P (10)
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether
module is creditable for bonus)
a) talk (approx. 15 minutes) or b) log (approx. 10 to 20 pages) Language of assessment: German and/or English
Allocation of places
Additional information
Additional information on module duration: block placement / block taught practical course with a duration of 20 days.
Workload
150 h
Teaching cycle
Referred to in LPO I (examination regulations for teaching-degree programmes)