

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Mathematics as a Bachelor's with 1 major with the degree "Bachelor of Science" (180 ECTS credits)

Responsible: Institute of Mathematics Examination regulations version: 2012 Abbreviations used: Course types: $\mathbf{E} = \text{field trip}$, $\mathbf{K} = \text{colloquium}$, $\mathbf{O} = \text{conversatorium}$, $\mathbf{P} = \text{placement/lab course}$, $\mathbf{R} = \text{project}$, $\mathbf{S} = \text{seminar}$, $\mathbf{T} = \text{tutorial}$, $\mathbf{\ddot{U}} = \text{exercise}$, \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) Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-Conventions for the modules in this SFB: ditable for bonus. Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me-Information on thod 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 assessment procedures: customary manner. Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below. Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

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

ASP02009

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

24-Oct-2012 (2012-167)

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

Every module will be described using the following form:

Abbreviation	Module title									
	ECTS		Duration	(in semesters)	Method of grading		Module level			
	Courses	Courses		To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of as	ssessme	ent							
	Only after su completion of		l if applica	ble						
	Other prereq	uisites	if applica	if applicable						
	Participants and allocati- on of places		ocati- if applica	if applicable						
	Additional information		on if applica	if applicable						
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teaching	g-degree programmes)				

10-M-ANA-122-	Analysis										
n01	ECTS 20 Durat	tion 2 semester Method of grading numerical grade Modul level undergraduate									
	Courses	 This module comprises 3 module components. Information on courses will be listed separately for each module component. 10-M-ANA-1-122: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-ANA-2-122: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-ANA-P-122: M (no information on SWS (weekly contact hours) and course language available) 									
	Method of assessmer	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.									
		 Assessment in module component 10-M-ANA-1-122: Analysis 1 Analysis 1 8 ECTS, Method of grading: (not) successfully completed written examination (approx. 90 to 180 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes). Module will also be considered successfully completed if the module component was selected as subject of the oral examination experime several modules (separate module component for assessment purposes (Prüfungsteilmodul)) and this examination was passed. Language of assessment: German, English if agreed upon with the examiner Other prerequisites: Certain prerequisites must be met to qualify for admission to assessment. The lecturer will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for a subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew. Assessment in module component 10-M-ANA-2-122 Analysis 2 8 ECTS, Method of grading: (not) successfully completed written examination (approx. 90 to 180 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) and in groups (groups of 2, approx. 30 minutes). July and be considered successfully completed if the module component was selected as subject of the oral examination was passed. Language of assessment: German, English if agreed upon with the examiner Other prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment agreed as subject of the oral examination aspeased. Language of as									
		 modules 10-M-ANA-1 and 10-M-ANA-2 Language of assessment: German, English if agreed upon with the examiner Only after successful completion of module components: Successful completion of the written examination in any one of the other two module components is a prerequisite for participation in module component 10-M-ANA-P. 									
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10-M-ANW-122-	Applied Mathematics										
mo1	ECTS	20	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	Courses			 This module has 5 components; information on courses listed separately for each component. 10-M-NUM-1-122, 10-M-NUM-2-122, 10-M-STO-1-122, and 10-M-STO-2-122: V + Ü (no information on language and number of weekly contact hours available) 10-M-ANW-P-112: M (no information on language and number of weekly contact hours available) 						
	Metho	d of ass	essment	sessm Asses nent 1 stik 1	nent components th soment in module co to-M-NUM-2-122: No (Stochastics 1), and 8 ECTS credits, pas	at are first in the list mponent 10-M-NUM umerische Mathemat in module compone ss / fail	ik 2 (Numerical Mathematics 2) nt 10-M-STO-2-122: Stochastik	nponent that is l k 1 (Numerical N), in module con 2 (Stochastics 2	ast in the list below. Aathematics 1), in module compo- nponent 10-M-STO-1-122: Stocha- 2) :		
					 BECIS credits, pass / rati written examination (approx. 90 to 180 minutes). If announced by the lecturer, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 30 minutes). The module component will also be considered successfully completed if it is selected as subject of the oral examination covering several modules (separate module component for assessment purposes (Prüfungsteilmodul)) and this examination is passed. Language of assessment: German; English if agreed upon with examiner(s) Additional prerequisites: To qualify for admission to assessment, students must meet certain prerequisites. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew. Assessment in module component 10-M-ANW-P-112: Prüfung Angewandte Mathematik (Assessment Applied Mathematics) 4 ECTS credits, numerical grading oral examination of one candidate each (approx. 30 minutes). Assessment will have reference to the topics covered in the two module components selected by students. 						
	other p	orerequi	sites	By wa	dents who passed the written examination in one of the other four module components. By way of exception, additional prerequisites are listed in the section on assessments.						
	Additio	onal Info	ormation	Additi	ional information or	module duration: 1	to 2 semesters.				

10-M-LNA-122-m01	Linear	Algebra					
	ECTS	20 Duratio	n 2 semester	Method of grading	numerical grade	Modul level	undergraduate
	Course	S	 10-M-LNA-1-122: 10-M-LNA-2-122: 	V + U (no information o V + U (no information o	. Information on courses will l on SWS (weekly contact hours on SWS (weekly contact hours SWS (weekly contact hours) ar) and course lang 5) and course lang	guage available)
	Methoo	d of assessment			essments in the individual mo e module will require success		
			Assessment in module 8 ECTS, Method written examinar by an oral exam approx. 30 minu as subject of the (Prüfungsteilmo) Language of ass Other prerequisi students about a declaration of assessment over dents who meet assessment in module 8 ECTS, Method written examinar by an oral exam approx. 30 minu as subject of the (Prüfungsteilmo) Language of ass Other prerequisi students about a declaration of assessment over dents who meet assessment over dents who meet assessment at a Assessment in module 4 ECTS, Method oral examination modules 10-M-L Language of ass Only after succe	component 10-M-LNA- of grading: (not) success tion (approx. 90 to 180 m ination of one candidat tes). Module will also b e oral examination cover dul)) and this examination essment: German, Engl tes: Certain prerequisites the respective details a will to seek admission r the course of the sem all prerequisites will b later date, students wil component 10-M-LNA- of grading: (not) success tion (approx. 90 to 180 m ination of one candidat tes). Module will also b e oral examination cover dul)) and this examinati essment: German, Engl tes: Certain prerequisites the respective details a will to seek admission r the course of the sem all prerequisites will b later date, students wil component 10-M-LNA-I of grading: numerical g n of one candidate eac NA-1 and 10-M-LNA-2 essment: German, Engl ssful completion of mo	1-122: Linear Algebra 1 Linear asfully completed ninutes); if announced by the l te each (approx. 20 minutes) e considered successfully con- ring several modules (separate ion was passed. ish if agreed upon with the ex- es must be met to qualify for a t the beginning of the course to assessment. If students h nester, the lecturer will put th e admitted to assessment in ll have to obtain the qualificate 2-122: Linear Algebra 2 Linear asfully completed ninutes); if announced by the l te each (approx. 20 minutes) e considered successfully con- ring several modules (separate ion was passed. ish if agreed upon with the ex- es must be met to qualify for a t the beginning of the course to assessment. If students h nester, the lecturer will put th e admitted to assessment in ll have to obtain the qualificate the beginning of the course to assessment. If students h nester, the lecturer will put th e admitted to assessment in ll have to obtain the qualificate P-122: Examination in Linear A rade h (approx. 30 minutes); asset ish if agreed upon with the ex- edule components: Successful	Algebra 1 ecturer, the writter or an oral exami- mpleted if the mo- ter module compo- caminer dmission to assess . Registration for ave obtained the eir registration for the current or in tion for admission Algebra 2 ecturer, the writter or an oral exami- mpleted if the mo- ter module compo- caminer dmission to assess . Registration for ave obtained the eir registration for the current or in tion for admission Algebra essment will have caminer al completion of t	en examination can be replaced ination in groups (groups of 2, odule component was selected onent for assessment purposes assment. The lecturer will inform the course will be considered qualification for admission to or assessment into effect. Stu- the subsequent semester. For n to assessment anew. en examination can be replaced ination in groups (groups of 2, odule component was selected onent for assessment purposes assment. The lecturer will inform the course will be considered qualification for admission to or assessment into effect. Stu- the subsequent semester. For n to assessment anew. essment. The lecturer will inform the course will be considered qualification for admission to or assessment into effect. Stu- the subsequent semester. For n to assessment anew. e reference to the contents of the written examination in any
	othorp	roroquicitos			ts is a prerequisite for particip		component 10-M-LNA-P.
Bachelor's with 1 major M		rerequisites	by way of exception, ac	autional prerequisites a	are listed in the section on ass		ecord 82 105 - - H 2012 page 5 / 59
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10-M-REI-122-m01	Pure Mathematics									
	ECTS	20	Duration	2 semester	Method of grading numeri	cal grade	Modul level	undergraduate		
	Course	S	Th	• 10-M-ALG-1-122 information on	mponents; information on course 2, 10-M-DGE-1-122, 10-M-DGL-1-1 language and number of weekly :: M (no information on language	22, 10-M-FTH-1-122, 1 contact hours availa	lo-M-GAN-1-122, a ble)	and 10-M-PGE-1-122: V + Ü (no		
	Method	d of ass	se pc As 10 DC fü Ar	 is module has the f is module has the f is sessment component onent that is last in is sessment in module in OGE-1-122: Einfo GL-1-122: Gewöhnlich hrung in die Funktich halysis (Geometric A to Projective Geom 8 ECTS credits, written examin ced by an oral dates (approx. as subject of th (Prüfungsteilm Language of as Additional pres 	the list below. A component 10-M-ALG-1-122: E Whrung in die Differentialgeometry che Differentialgleichungen (Ordi onentheorie (Introduction to Com analysis), and in module compor netry): pass / fail ation (approx. 90 to 180 minutes examination of one candidate ea 30 minutes). The module compor ne oral examination covering sev odul)) and this examination is para seessment: German; English if ag requisites: To qualify for admissi	nts. To pass this moon nd pass one of them, inführung in die Algeb ie (Introduction to Di nary Differential Equa plex Analysis), in mo tent 10-M-PGE-1-122:). If announced by the tech (approx. 20 minut onent will also be cor eral modules (separa assed. reed upon with exam on to assessment, stu	dule, students mu furthermore they ora (Introduction fferential Geomet ations), in module dule component Einführung in die e lecturer, the wri tes) or an oral exa nsidered success te module compo iner(s) udents must mee	ist select two out of the 6 as- must pass the assessment com- to Algebra), in module component cry), in module component 10-M- e component 10-M-FTH-1-122: Ein- 10-M-GAN-1-122: Geometrische e Projektive Geometrie (Introducti- tten examination may be repla- amination in groups of 2 candi- fully completed if it is selected onent for assessment purposes t certain prerequisites. The lec-		
	other prerequisites			be considered admission to a effect. Student ster. For assess sessment in modul 4 ECTS credits, oral examination in the two mod Language of as Only after succ dents who pas	n students about the respective a declaration of will to seek adm ssessment over the course of the s who meet all prerequisites will sment at a later date, students will component 10-M-REI-P-122: Pr numerical grading on of one candidate each (appro lule components selected by stud ssessment: German; English if ag cessful completion of module co sed the written examination in o additional prerequisites are lister	ission to assessment e semester, the lectur be admitted to asses Il have to obtain the o üfung Reine Mathema x. 30 minutes). Asses dents. reed upon with exam mponents: Module on the of the other six mo	t. If students have rer will put their re sment in the curr qualification for a atik (Assessment ssment will have iner(s) omponent 10-M-F odule component	e obtained the qualification for egistration for assessment into ent or in the subsequent seme- dmission to assessment anew. Pure Mathematics) reference to the topics covered REI-P can only be taken by stu-		
							585511181115.			
	Additic	onal Info	rmation Ac	antional informatio	n on module duration: 1 to 2 sem	esters.				

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10-M-SPZ-122-m01	Advanc	ed Mat	hematics				
[ECTS	20	Duration		Method of grading numerical grade	Modul level undergraduate	
	Course			 10-M-NUM-1-122, DGL-1-122, 10-M- 10-M-ZTH-1-122: 10-M-SPZ-P-122: 	-FTH-1-122, 10-M-GAN-1-122, 10-M-PGE-1-122, 10 V + Ü (no information on language and number M (no information on language and number of	GTO-2-122, 10-M-ALG-1-122, 10-M-DGE-1-122, 10 o-M-DIM-1-122, 10-M-FAN-1-122, 10-M-ORS-1-122, 1 r of weekly contact hours available) f weekly contact hours available)	and
	Method	l of ass		This module has the fol sessment components Assessment in module ponent 10-M-NUM-2-12 chastik 1 (Stochastics 1 ALG-1-122: Einführung i rentialgeometrie (Introc chungen (Ordinary Diffe duction to Complex Ana le component 10-M-PGI ponent 10-M-DIM-1-122: E ORS-1-122: Operations Number Theory) : • 8 ECTS credits, p • written examinat ced by an oral ex dates (approx. 3 as subject of the (Prüfungsteilmood Language of asse • Additional prered turer will inform be considered a admission to ass effect. Students v ster. For assessm Assessment in module Mathematics) • 2 ECTS credits, n • oral examination in the module co	llowing 15 assessment components. To pass th that are first in the list below and the assessme component 10-M-NUM-1-122: Numerische Matt 22: Numerische Mathematik 2 (Numerical Mathe 2), in module component 10-M-STO-2-122: Stoci in die Algebra (Introduction to Algebra), in mod duction to Differential Geometry), in module cor- erential Equations), in module component 10-M- dalysis), in module component 10-M-GAN-1-122: E-1-122: Einführung in die Projektive Geometrie 2: Einführung in die Diskrete Mathematik (Introduc- inführung in die Funktionalanalysis (Introduction Research, and in module component 10-M-ZTH bass / fail tion (approx. 90 to 180 minutes). If announced I kamination of one candidate each (approx. 20 to 0 minutes). The module component will also b e oral examination covering several modules (see dul)) and this examination is passed. essment: German; English if agreed upon with of quisites: To qualify for admission to assessment students about the respective details at the be declaration of will to seek admission to assess sessment over the course of the semester, the I who meet all prerequisites will be admitted to a nent at a later date, students will have to obtain component 10-M-ERG-P-122: Prüfung in Ergänz numerical grading n of one candidate each (approx. 30 minutes). / omponent selected by students. essment: German; English if agreed upon with of pomponent selected by students.	his module, students must pass one out of the 14 a ent component that is last in the list below. thematik 1 (Numerical Mathematics 1), in module of thematics 2), in module component 10-M-STO-1-122 chastik 2 (Stochastics 2), in module component 10- dule component 10-M-DGE-1-122: Einführung in die mponent 10-M-DGL-1-122: Gewöhnliche Differentia A-FTH-1-122: Einführung in die Funktionentheorie (e Geometrische Analysis (Geometric Analysis), in m e (Introduction to Projective Geometry), in module duction to Discrete Mathematics), in module component H-1-122: Einführung in die Zahlentheorie (Introduction to Functional Analysis), in module component H-1-122: Einführung in die Zahlentheorie (Introduction by the lecturer, the written examination may be re- minutes) or an oral examination in groups of 2 can be considered successfully completed if it is selec- eparate module component for assessment purpo examiner(s) nt, students must meet certain prerequisites. The eginning of the course. Registration for the course sment. If students have obtained the qualification lecturer will put their registration for assessment in assessment in the current or in the subsequent se in the qualification for admission to assessment an zung Mathematik (Assessment in Selected Topics Assessment will have reference to the topics cover examiner(s)	com- 2: Sto-)-M- e Diffe- alglei- (Intro- nodu- com- po- 10-M- tion to pla- ndi- cted oses lec- will n for into me- new. from
					ssful completion of module components: Module the written examination in one of the other 1.	ule component 10-M-ERG-P can only be taken by a module components.	stu-
	other p	rerequi	sites	-	Iditional prerequisites are listed in the section of		
	Additio	nal Info			on module duration: 1 to 2 semesters.		
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10-M-VAN-122-	Advan	Advanced Analysis										
m01	ECTS	9	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	25		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	if ann 20 mi	written examination (approx. 90 to 180 minutes) if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other p	other prerequisites			Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
Compulsory Elect	tives (40 l	ECTS cre	dits)									
Compulsory Elect	tives Matl	nematic	s									
10-M-EFM-122-mc	1 Introd	Introduction to Stochastic Financial Mathematics										
	ECTS	9	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	25		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	written examination (approx. 90 to 180 minutes) if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner								
	other p	orerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								

10-M-ERG-122-m01	Selecte	ed Topic	s from Ma	thematics	· · · · · · · · · · · · · · · · · · ·			
	ECTS	10	Duration	2 semester	Method of grading numerical grade	e Modu	ul level	undergraduate
	Courses			 10-M-NUM-1-122 DGL-1-122, 10-N 10-M-ZTH-1-122 10-M-ERG-P-122 	mponents; information on courses listed 2, 10-M-NUM-2-122, 10-M-STO-1-122, A-FTH-1-122, 10-M-GAN-1-122, 10-M-PGE-1 : V + Ü (no information on language and nur e: M (no information on language and nur	10-M-STO-2-122, 10- -122, 10-M-DIM-1-122 number of weekly con nber of weekly contac	-M-ÁLG-1- 2, 10-M-FA ntact hour ct hours a	122, 10-M-DGE-1-122, 10-M- N-1-122, 10-M-ORS-1-122, and rs available) available)
	Method	d of asse		sessment components Assessment in module ponent 10-M-NUM-2-1 chastik 1 (Stochastics ALG-1-122: Einführung rentialgeometrie (Intro chungen (Ordinary Diff duction to Complex Ar le component 10-M-PO ponent 10-M-DIM-1-12: ORS-1-122: Operations Number Theory) : 8 ECTS credits, written examinat ced by an oral e dates (approx.) as subject of th (Prüfungsteilmo Language of ass Additional prere turer will inform be considered a admission to ass effect. Students ster. For assess Assessment in module matics) 4 ECTS credits, oral examinatio in the two modu Language of ass Only after succe	ation (approx. 90 to 180 minutes). If anno examination of one candidate each (appr 30 minutes). The module component wil e oral examination covering several mod odul)) and this examination is passed. sessment: German; English if agreed upo equisites: To qualify for admission to ass a students about the respective details at a declaration of will to seek admission to assessment over the course of the semest who meet all prerequisites will be admit ment at a later date, students will have to e component 10-M-SPZ-P-122: Prüfung in	he Mathematik 1 (Nur al Mathematics 2), in 2: Stochastik 2 (Stoch in module componen dule component 10-M nt 10-M-FTH-1-122: Ei l-1-122: Geometrische cometrie (Introduction (Introduction to Disc roduction to Function)-M-ZTH-1-122: Einfüh bunced by the lecturer fox. 20 minutes) or an l also be considered ules (separate modul on with examiner(s) essment, students m t the beginning of the o assessment. If stude er, the lecturer will put the do assessment in o obtain the qualificat o Spezialisierung Mathematics (Studen Studen	It that is la merical <i>N</i> module c hastics 2) it 10-M-D i-DGL-1-12 inführung e Analysis to Projec crete Mat al Analysis to Projec crete Mat al Analysis for and exa successfi le compole ust meet e course. I ents have the curre the curre the curre the matik (vill have re at 10-M-SF	ast in the list below. Aathematics 1), in module com- omponent 10-M-STO-1-122: Sto-), in module component 10-M- GE-1-122: Einführung in die Diffe- 22: Gewöhnliche Differentialglei- in die Funktionentheorie (Intro- 6 (Geometric Analysis), in modu- tive Geometry), in module com- hematics), in module compo- is), in module component 10-M- ie Zahlentheorie (Introduction to ten examination may be repla- mination in groups of 2 candi- ully completed if it is selected nent for assessment purposes certain prerequisites. The lec- Registration for the course will obtained the qualification for gistration for assessment into and or in the subsequent seme- dmission to assessment anew. Assessment in Advanced Mathe- eference to the topics covered PZ-P can only be taken by stu-
	other p	rerequis	sites		dditional prerequisites are listed in the s			
	Additio	nal Info		Additional information	on module duration: 1 to 2 semesters. JMU Würzburg • 1	generated 26-Aug-2024 • exar	n. reg. data re	ecord 82 105 - - H 2012 page 9 / 59
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10-M-MKG-122-	Mathematics in Culture and Society										
m01	ECTS	8	Duration	n 2 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	es		• 10-M-GES-1-122, 10 tact hours availabl	 This module has 4 components; information on courses listed separately for each component. 10-M-GES-1-122, 10-M-MSC-1-122, and 10-M-SCH-1-122: V + Ü (no information on language and number of weekly contact hours available) 10-M-PRO-1-122: S (no information on language and number of weekly contact hours available) 						
	Metho	d of ass	essment	This module has the follo assessment components		omponents. To pass the modu	le as a whole st	udents must pass two of the four			
				from the History of Mathe and in module componen Perspective) : 4 ECTS credits, pas project assignmen Assessment will be Language of asses Additional prereque turer will inform st be considered a de admission to asse effect. Students wh ster. For assessme Assessment in module co 4 ECTS credits, pas talk (approx. 60 to	ematics), in module cont 10-M-SCH-1-122: So ss / fail its (type and expendit e offered in the seme soment: German; Engl uisites: To qualify for a udents about the resp eclaration of will to so soment over the cour ho meet all prerequisi ent at a later date, stud omponent 10-M-PRO- ss / fail 180 minutes)	omponent 10-M-MSC-1-122: Ma chulmathematik vom höheren s ture of time to be specified by t ster in which the course is offe ish if agreed upon with examin admission to assessment, stuc pective details at the beginning eek admission to assessment. se of the semester, the lecture ites will be admitted to assess dents will have to obtain the qu 1-122: Proseminar Mathematik	athematisches S Standpunkt (Scl che lecturer at th red and in the s her(s) dents must mee g of the course. If students have r will put their re ment in the curre ualification for a c (Proseminar Ma	ubsequent semester. t certain prerequisites. The lec- Registration for the course will e obtained the qualification for egistration for assessment into ent or in the subsequent seme- dmission to assessment anew. athematics)			
				 Language of asses Additional prerequ turer will inform st be considered a de admission to asse effect. Students wh 	ssment: German; Engl uisites: To qualify for a udents about the res eclaration of will to se ssment over the cour ho meet all prerequisi	pective details at the beginning eek admission to assessment. se of the semester, the lecture ites will be admitted to assessi	ner(s) lents must mee g of the course. If students have r will put their re ment in the curre	ubsequent semester. t certain prerequisites. The lec- Registration for the course will e obtained the qualification for egistration for assessment into ent or in the subsequent seme- dmission to assessment anew.			
	other p	orerequi	sites			are listed in the section on ass					
	Additio	onal Info	ormation	Additional information on module duration: 1 to 2 semesters.							

10-M-SE2-122-m01	Additio	Additional Seminar in Mathematics										
	ECTS	CTS 5 Duration		1 I	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses			S (no	S (no information on SWS (weekly contact hours) and course language available)							
	Methoo	d of asse	essment		alk (approx. 60 to 180 minutes) anguage of assessment: German, English if agreed upon with the examiner							
	other p	rerequis		tive de on to a the lee sessm	etails at the beginnin assessment. If stude cturer will put their r	ng of the course. Reg ents have obtained th registration for assess r in the subsequent s	istration for the course will be ne qualification for admission t sment into effect. Students wh	considered a de to assessment o o meet all prere	form students about the respec- claration of will to seek admissi- ver the course of the semester, quisites will be admitted to as- nts will have to obtain the quali-			

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Application-oriented Subject (30 ECTS credits)

Students must take one of the following application-oriented subjects, each with the specified mandatory courses and/or mandatory electives: Biologie (Biology), Chemie (Chemistry), Geographie (Geography), Informatik (Computer Science), Philosophie (Philosophy), Physik (Physics), Wirtschaftswissenschaft (Business Management and Economics).

Application-oriented Subject Biology (40 ECTS credits)

Application-oriented Subject Biology Compulsory Electives (20 ECTS credits)

07-2A2GN-	Geneti	cs, Neu	robiology,	Behav	riour						
V-072-m01	ECTS	6	Duratior	ו I	1 semester	Meth	od of grading n	umerical grade		Modul level	undergraduate
	Courses			•	 This module comprises 3 module components. Information on courses will be listed separately for each module component. o7-2A2GNV-1G-072: V + Ü (no information on SWS (weekly contact hours) and course language available) o7-2A2GNV-2N-072: V + Ü (no information on SWS (weekly contact hours) and course language available) o7-2A2GNV-3V-072: V + Ü (no information on SWS (weekly contact hours) and course language available) 						
	Methoo	d of ass	essment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.						
				Assess Assess	2 ECTS, Metho written exami Other prerequ tion of the res sment in mode 2 ECTS, Metho written exami Other prerequ tion of the res sment in mode 2 ECTS, Metho written exami Other prerequ Other prerequ	od of gradin nation (app lisites: Adm pective exe alle compone od of gradin nation (app lisites: Adm pective exe alle compone od of gradin nation (app lisites: Adm	g: numerical gra- rox. 30 minutes) ission prerequis rcises as specific ent 07-2A2GNV-2 g: numerical gra- rox. 30 minutes) ission prerequis rcises as specific ent 07-2A2GNV-3 g: numerical gra- rox. 30 minutes, ission prerequis	te to assessmen ed at the beginnin N-072: Basic Ner de te to assessmen ed at the beginnin N-072: Behaviou de word problems a	t: regular at ng of the co urobiology E t: regular at ng of the co ral Biology nd/or multi t: regular at	tendance of ex- urse. Basic Neurobiol tendance of ex- urse. Behavioural Bio ple choice ques tendance of ex-	ercises and successful comple- blogy
	other p	rerequi	isites	By way of exception, additional prerequisites are listed in the section on assessments.							
	Particip cation		nd allo- es	Only a	s part of "spez	ielles Studi	enangebot": 10 j	olaces.			
07-2BM-072-m01	Mather	matical	Biology a	nd Bios	statistics						
	ECTS	4	Duratior	า [1 semester	Meth	od of grading n	umerical grade		Modul level	undergraduate
	Course	S		V + Ü ((no informatio	n on SWS (w	eekly contact ho	urs) and course l	anguage av	/ailable)	
	Method	d of ass	essment				-	ng multiple choi			
	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.							
	Participants and allo- cation of places			Only a	s part of "spez	ielles Studi	enangebot": 30	olaces.			

07-3A30E-102-	Plant and Animal Ecology											
m01	ECTS	6	Duratior	า	1 semester	Method of grading numerical gra	ade	Modul level	undergraduate			
	Course	25		 This module comprises 2 module components. Information on courses will be listed separately for each module component. o7-3A3OE-1-102: V + Ü (no information on SWS (weekly contact hours) and course language available) o7-3A3OE-2-102: V + Ü (no information on SWS (weekly contact hours) and course language available) 								
	Metho	Method of assessment			Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
				Asses	3 ECTS, Method o written examinati Other prerequisite tion of the respec sment in module o 3 ECTS, Method o written examinati Other prerequisite	component 07-3A3OE-1-102: Animal f grading: numerical grade on (approx. 45 minutes) es: Admission prerequisite to assess tive exercises as specified at the be component 07-3A3OE-2-102: Plant E f grading: numerical grade on (approx. 45 minutes) es: Admission prerequisite to assess tive exercises as specified at the be	sment: regular att ginning of the cou cology Plant Ecolo sment: regular att	endance of exe irse. ogy endance of exe				
	other p	other prerequisites By way of exception, additional prerequisites are listed in the section on assessments.										
		pants an of place		Only a	as part of pool of ge	eneral key skills (ASQ): 15 places. Pl	aces will be alloca	ated by lot.				

07-1A1ZO-NF-102-	From C	ells to C	Organism	is for minor field of study									
m01	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	Courses			 This module has 4 components; information on courses listed separately for each component. o7-1A1ZO-3P-072, 07-1A1ZO-4T-072, and 07-1A1ZO-2E-102: V + Ü (no information on language and number of weekly contact hours available) o7-1A1ZO-NF-1Z-082: V (no information on language and number of weekly contact hours available) 								
	Method of assessment			This module has the following 4 assessment components. Unless stated otherwise, students must pass all of these as- sessment components to pass the module as a whole.									
				Asses Asses Asses	4 ECTS credits, num written examination Additional prerequi completion of the r sment in module co 4 ECTS credits, num written examination Additional prerequi as well as successf sment in module co 1 ECTS credit, nume written examination sment in module co 1 ECTS credit, pass written examination	nerical grading n (approx. 60 minute isites: admission pre espective exercises. mponent 07-1A1ZO-2 nerical grading n (approx. 60 minute isites: admission pre ful completion of the mponent 07-1A1ZO-1 erical grading n (approx. 60 minute mponent 07-1A1ZO-2 / fail n (approx. 30 minute	requisite to assessment: regul 4T-072: Das Tierreich (The Anir 4s) requisite to assessment: regu respective exercises as specif 4F-1Z-082: Die Zelle für das Ne 4s) including multiple choice q 2E-102: Evolution 5 , including multiple choice q	ar attendance of mal Kingdom) lar attendance o fied at the begin ebenfach Biologi uestions uestions)	exercises as well as successful f and participation in exercises				
	a tha a way		-:+	pletion of the respective exercises as specified at the beginning of the course. By way of exception, additional prerequisites are listed in the section on assessments.									
		rerequi				tional prerequisites a	are listed in the section on ass	sessments.					
07-3A3EBI- 0T-102-m01		i	l Biology		r	Mathad of an ding	numerical aredo	Modulloval	undergraduate				
01 102 1101	ECTS	4	Duration		1 semester	Method of grading	•	Modul level	undergraduate				
		Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)								
				written examination (approx. 30 to 60 minutes) including multiple choice questions									
	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.									

Application-oriented Subject Biology Compulsory Electives 2 (20 ECTS credits) When taking up their studies, students are highly recommended to consult with the course advisory service Biology that will help them choose appropriate modules from the list below. Modules from the areas "Spezielle Biowissenschaften I / II" ("Specific Biosciences I / II") may only be used by students who achieved no less than 14 ECTS credits in the area of mandatory electives 1 beforehand.

07-4S1N-	Functior	nal Moi	phology	of arth	iropods							
V03-092-m01	ECTS	5	Duration		1 semester	Method of grading	=	Modul level	undergraduate			
	Courses			V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)				
	Method				paper (approx. 5 to 1							
	other pr	erequis	sites		ssion prerequisite to ecified at the beginr		r attendance of exercises and	l successful com	pletion of the respective exercises			
	Participa cation o	f place	S	follow dits. S Bache will b Bache of the ber of from t re will ponel cessf waitin prima ked a studie thema ding t to the lated the sa (5%): achie amon catior ces w	Number of places: 20. Should the number of applications exceed the number of available places, places will be allocated as follows: Places will primarily be allocated to students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits. Should the module be used in other subjects, there will be two quotas: 95% of places (a minimum of one participant in total) will be allocated to students of the Bachelor's degree subject S Computational Mathematics and Mathematik (Mathematics), each with 180 ECTS credits, as part of the application-oriented subject Biology (as well as potentially to students of the rimporting' subjects). Should the number of aplaces available in one quota exceed the number of applications, the remaining places will be allocated to applicants from the other quota. Should there be, within one module component, several courses with a restricted number of places, there will be a uniform regulation for the courses of one module component. In this case, places on all courses of a module component that are concerned will be allocated as they become available. Selection process group 1 (95%): Places will primarily be allocated according to the applicants' previous academic achievements. For this purpose, applicants will be ranked according to the applicants' previous academic achievements. For this purpose, applicants will be ranked according to the applicant of the number of ECTS credits achieved (quantitative ranking). The applicants' position in a third ranking will be calculated as the sum of these two rankings, and places will be allocated according to the following to the follows: First, applicants will be ranked, firstly, according to their average grade weighted according to the following quotas: (95%) flaces): total number of ECTS credits according to the qualitative ranking or otherwise by lot. Selection process group 2 (5%): Places will be allocated according to the following quotas: (95% of places): total number of ECTS credits achieved (quantitative ranking). The applicant							
07-2A2TP-NF-082-					or minor field of stud							
m01		3	Duration		1 semester	Method of grading		Modul level	undergraduate			
	Courses						hours) and course language					
	Method											
	other pr	erequis	sites	Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exact as specified at the beginning of the course.								
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07-2A2PPR-	Basic F	hysiol	ogy of Pro	karyot	es for minor field	l of study						
NF-082-m01	ECTS	3	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	•	V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	writte	en examination (a	pprox. 60 minutes) inc	luding multiple choice que	estions				
07-2A2PPF- NF-082-m01	Basic Physiology of Plants for minor field of study											
	ECTS	ECTS 3 Duratio			1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information	on SWS (weekly contact	t hours) and course langua	age available)				
	Metho	d of ass	essment	writte	en examination (a	approx. 45 minutes)						
	other p	orerequi	isites			e to assessment: regula ginning of the course.	ar attendance of exercises	and successful comp	bletion of the respective exercises			
07-3A3GM-	Genes,	Molec	ules, Tech	nologi	ies							
T-102-m01	ECTS 6 Duratio		Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		This module has 4 components; information on courses listed separately for each component. • 07-3A3GMT-1-102, 07-3A3GMT-2-102, 07-3A3GMT-3-102, and 07-3A3GMT-4-102: V (no information on language and number of weekly contact hours available)								
			essment	sessr Asse: matik 07-34	nent component: ssment in module (Bioinformatics) A3GMT-4-102: Ph 1.5 ECTS credits	s to pass the module as e component o7-3A3GN , in module component armakokinetik (Pharma s, numerical grading	a whole. IT-1-102: Genetik (Genetics : 07-3A3GMT-3-102: Biotec	s), in module compo r chnologie (Biotechno	s must pass all of these as- nent 07-3A3GMT-2-102: Bioinfor- logy), and in module component			
07-3A3B-	Princip	les of E	Biochemis	try								
C-102-m01	ECTS	4	Duratio	<u>1</u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information	on SWS (weekly contact	t hours) and course langua	age available)				
	Method	d of ass	essment	writte	en examination (a	pprox. 30 to 60 minute	s) including multiple choic	ce questions				
	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.								

07-4A4FL-102-m01	The l	Flora of Ge	rmany								
	ECTS	5 7	Duration	n 1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Cour	rses		• 07-4A4FL-1-102: V	2 module components. Information on cou + Ü (no information on SWS (weekly cont (no information on SWS (weekly contact)	act hours) and course lang	uage available)				
	Meth	nod of asse	essment	 Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component o7-4A4FL-1-102: Introduction to the Flora of Germany Introduction to the Flora of Germany 4 ECTS, Method of grading: numerical grade written examination (approx. 45 minutes) and practical identification assignment (approx. 45 minutes), weighted 1:1 Assessment offered: once a year, summer semester Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises (particular emphasis to be placed on the setting up a herbarium) as specified at the beginning of the course. Assessment in module component o7-4A4FL-2-102: Field Excursions on the Flora of Germany 3 ECTS, Method of grading: (not) successfully completed log (approx. 1 to 2 pages per field trip) 							
	otho	r prerequis	itor		ed: once a year, summer semester litional prerequisites are listed in the sect	ion on accoccmonts					
	Parti	icipants an	d allo-	Number of places: 180. S follows: Places will prima dits. Should the module Bachelor's degree subject will be allocated to stude Bachelor's degree subject of the application-oriente ber of places available in from the other quota. Sh- re will be a uniform regul ponent that are concerne cessfully completed at le waiting list will be mainta primarily be allocated ac ked according to the num studies or of all module of thematik (Mathematics)) ding to their average grad to their total number of E lated as the sum of these the same ranking, places (5%): Places will be allocated achieved in modules/mod achieved, places will be	Should the number of applications exceed arily be allocated to students of the Bache be used in other subjects, there will be tw ct Biologie (Biology) with 180 ECTS credits ents of the Bachelor's degree subject Biolocts computational Mathematics and Math ed subject Biology (as well as potentially none quota exceed the number of applica ould there be, within one module compor- lation for the courses of one module compor- lation for the courses of one module compor- ed will be allocated in a standardised proc east one other module component of the r ained and places re-allocated as they bec coording to the applicants' previous acade nber of ECTS credits they have achieved a components in the subject of Biologie (Bio de weighted according to the number of E CTS credits achieved (quantitative rankin e two rankings, and places will be allocated swill be allocated according to the qualita- cated according to the following quotas: Q odule components of the Faculty of Biolog allocated by lot. Quota 2 (25% of places):	the number of available p clor's degree subject Biolog to quotas: 95% of places w and 5% of places (a minin ogie (Biology) with 60 ECTS ematik (Mathematics), eac to students of other 'impor tions, the remaining places tent, several courses with a conent. In this case, places tedure. In this procedure, a espective module will be g ome available. Selection p mic achievements. For this nd their average grade of a ology) (excluding Chemie (f ne as follows: First, applica CTS credits (qualitative rar g). The applicants' position ed according to this third ra- tive ranking or otherwise b uota 1 (50% of places): tot y; among applicants with t number of subject semest	gie (Biology) with 180 ECTS cre- vill be allocated to students of the hum of one participant in total) 5 credits and to students of the th with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants a restricted number of places, the- on all courses of a module com- upplicants who already have suc- iven preferential consideration. A rocess group 1 (95%): Places will be purpose, applicants will be ran- ll assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- oking) and, secondly, according n in a third ranking will be calcu- anking. Among applicants with by lot. Selection process group 2 al number of ECTS credits already he same number of ECTS credits ers of the respective applicant;				
Bachelor's with 1 major M	l Aathema	atics (2012)			he same number of subject semesters, pla JMU Würzburg • gene	rated 26-Aug-2024 • exam. reg. data r					
				ces will be allocated acco	ording to the selection process of group 1						

07-4A4FA-102-m01	The Fa	auna of G	ermany				
	ECTS	7	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate
	Cours	es		• 07-4A4FA-1-102: V	module components. Information on courses w + Ü (no information on SWS (weekly contact ho (no information on SWS (weekly contact hours)	ours) and course lang	uage available)
	Metho	od of asse	essment		lle comprises the assessments in the individual sful completion of the module will require succe		
				ny • 4 ECTS, Method of • written examinatio • Assessment offered • Other prerequisites tion of the respecti beginning of the co Assessment in module co • 3 ECTS, Method of • log (approx. 1 to 2)	apponent o7-4A4FA-1-102: Introduction to the F grading: numerical grade on (approx. 45 minutes) and practical identificat ed: once a year, summer semester s: Admission prerequisite to assessment: regul cive exercises (particular emphasis to be placed ourse. omponent o7-4A4FA-2-102: Field Excursions on grading: (not) successfully completed pages per field trip) ed: once a year, summer semester	tion assignment (app ar attendance of exe I on the setting up a l	rox. 45 minutes), weighted 1:1 rcises and successful comple- herbarium) as specified at the
	other	prerequis	sites	By way of exception, addi	itional prerequisites are listed in the section on	assessments.	
Bachelor's with 1 major M	Partic catior	ipants an of place:	id allo-	Number of places: 180. SI follows: Places will prima dits. Should the module b Bachelor's degree subject will be allocated to studer Bachelor's degree subject of the application-oriente ber of places available in from the other quota. Sho re will be a uniform regula ponent that are concerned cessfully completed at lea waiting list will be mainta primarily be allocated acc ked according to the num studies or of all module of thematik (Mathematics)) ding to their average grad to their total number of EC lated as the sum of these the same ranking, places (5%): Places will be allocated achieved in modules/mod achieved, places will be allocated achieved in modules/mod	hould the number of applications exceed the number of applications exceed the number of abe used in other subjects, there will be two quo at Biologie (Biology) with 180 ECTS credits and 5 ents of the Bachelor's degree subject Biologie (Bits Computational Mathematics and Mathematile d subject Biology (as well as potentially to stude one quota exceed the number of applications, build there be, within one module component, subject of Biologie the applicated in a standardised procedure ast one other module component of the respect ained and places re-allocated as they become a cording to the application. This will be done as the weighted according to the number of ECTS credits achieved (quantitative ranking). The two rankings, and places will be allocated according to the qualitative ranking). The two rankings, and places will be allocated according to the qualitative ranking to the following quotas: Quota 1 dule components of the Faculty of Biology; and allocated by lot. Quota 2 (25% of places): numb	umber of available pl degree subject Biolog tas: 95% of places w % of places (a minim Biology) with 60 ECTS k (Mathematics), eac dents of other 'import the remaining places everal courses with a t. In this case, places t. In this procedure, a tive module will be gi vailable. Selection pr chievements. For this sir average grade of al (excluding Chemie (C follows: First, applica edits (qualitative ran e applicants' position ording to this third ra anking or otherwise b (50% of places): tota ong applicants with the er of subject semesta Aug-2024 • exam. reg. data re	ie (Biology) with 180 ECTS cre- ill be allocated to students of the num of one participant in total) credits and to students of the h with 180 ECTS credits, as part ing' subjects). Should the num- swill be allocated to applicants restricted number of places, the- on all courses of a module com- pplicants who already have suc- ven preferential consideration. A rocess group 1 (95%): Places will purpose, applicants will be ran- ll assessments taken during their chemistry), Physik (Physics), Ma- ints will be ranked, firstly, accor- king) and, secondly, according in a third ranking will be calcu- nking. Among applicants with y lot. Selection process group 2 al number of ECTS credits already he same number of ECTS credits ers of the respective applicant; cord 82[105]-[-[H]2012 page 18 / 59
		. /		cation by lot. Should the r	module be used only in the Bachelor's degree s	,	· · · · · · · · · · · · · · · · · · ·
					ording to the selection process of group 1.		G,,, , , , , , , , , , , , , , , , , ,

07-4S1N-	Neurobiology 1													
V01-102-m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	S		P (no information on SWS (weekly contact hours) and course language available)										
	Methoo	Method of assessment			methods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- nation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the assessment prior to the course									
	other p	rerequi	sites	Admis	ssion prerequisite to	o assessment: regula	r attendance of lab course as s	pecified at the b	beginning of the course.					
	Particip	oants ar of place	nd allo-	Numb follow dits. S Bache will be of the ber of from t re will poner cessfu waitir prima ked a studie thema ding t to the lated the sa (5%): achiev achiev amon catior	ber of places: 20. Sh vs: Places will prima Should the module elor's degree subject e allocated to stude elor's degree subject application-oriente f places available in the other quota. Sho l be a uniform regulent that are concerne ully completed at le ng list will be mainta trily be allocated actor ccording to the num es or of all module of atik (Mathematics)) to their average grace are ranking, places Places will be alloc ved in modules/mo ved, places will be a g applicants with the n by lot. Should the	nould the number of a arily be allocated to st be used in other subject the Biologie (Biology) we ants of the Bachelor's the Computational Ma ed subject Biology (as one quota exceed the build there be, within ation for the courses and will be allocated in ast one other module ained and places re-a cording to the applicate the time of applicates at the time of applicates at the time of applicates the weighted according CTS credits achieved two rankings, and places two rankings, and places two rankings, and places at the allocated acc ated according to the dule components of the allocated by lot. Quot the same number of sub-	pplications exceed the number udents of the Bachelor's degre ects, there will be two quotas: g ith 180 ECTS credits and 5% of degree subject Biologie (Biolog thematics and Mathematik (Ma well as potentially to students e number of applications, the r one module component, severa of one module component. In the a standardised procedure. In the component of the respective n llocated as they become availa ints' previous academic achieven bject of Biologie (Biology) (exclu- tion. This will be done as follow g to the number of ECTS credits (quantitative ranking). The app aces will be allocated accordin ording to the qualitative rankin following quotas: Quota 1 (50% the Faculty of Biology; among a a 2 (25% of places): number of bject semesters, places will be in the Bachelor's degree subje	r of available pla e subject Biolog 95% of places w places (a minin gy) with 60 ECTS athematics), eac of other 'impor emaining places at courses with a his case, places his procedure, a nodule will be g ble. Selection p ements. For this erage grade of a uding Chemie ((ws: First, applica (qualitative rar licants' position g to this third ra g or otherwise b 6 of places): tot pplicants with t subject semest	aces, places will be allocated as gie (Biology) with 180 ECTS cre- vill be allocated to students of the num of one participant in total) 5 credits and to students of the ch with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants a restricted number of places, the- s on all courses of a module com- applicants who already have suc- iven preferential consideration. A rocess group 1 (95%): Places will s purpose, applicants will be ran- ill assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- nking) and, secondly, according n in a third ranking will be calcu-					

07-4S1N-	Integra	Integrative Behavioral Biology											
VO2-102-m01	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	S	1	V + S (no information on SWS (weekly contact hours) and course language available)									
	Method	Method of assessment			methods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- nation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the assessment prior to the course								
	other p	orerequi			ssion prerequisite to ecified at the begin	to assessment: regular attendance of exercises ning of the course.	and successful comp	letion of the respective exercises					
		pants ar	S	follow dits. S Bache will be Bache of the ber of from t re will poner cessfu waitin prima ked ac studie thema ding to to the lated a (5%): achiev achiev achiev studie the sa (5%):	vs: Places will prima Should the module elor's degree subject e allocated to stude elor's degree subject application-oriente places available in the other quota. Sho l be a uniform regule that are concerne ully completed at le ng list will be mainta rily be allocated actor ccording to the num es or of all module of atik (Mathematics)) o their average grac ir total number of E as the sum of these ame ranking, places Places will be alloc ved in modules/mo ved, places will be a g applicants with the by lot. Should the	hould the number of applications exceed the nu arily be allocated to students of the Bachelor's of be used in other subjects, there will be two quo ct Biologie (Biology) with 180 ECTS credits and g ents of the Bachelor's degree subject Biologie (B cts Computational Mathematics and Mathemati ed subject Biology (as well as potentially to stude n one quota exceed the number of applications, ould there be, within one module component, so lation for the courses of one module component ed will be allocated in a standardised procedure east one other module component of the respect ained and places re-allocated as they become a cording to the application. This will be done as de weighted according to the number of ECTS credits achieved (quantitative ranking). The etwo rankings, and places will be allocated accord so will be allocated according to the qualitative ra- cated according to the following quotas: Quota cated according to the subject semesters, places w	degree subject Biolog otas: 95% of places w 5% of places (a minim (Biology) with 60 ECTS cik (Mathematics), eac idents of other 'import , the remaining places several courses with a at. In this case, places e. In this procedure, a ctive module will be gi available. Selection p achievements. For this eir average grade of a (excluding Chemie (G follows: First, application cording to this third ra ranking or otherwise b 1 (50% of places): tota long applicants with the ber of subject semestive will be allocated by long and the subject semestive will be allocated by long	gie (Biology) with 180 ECTS cre- till be allocated to students of the hum of one participant in total) is credits and to students of the th with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants a restricted number of places, the- on all courses of a module com- upplicants who already have suc- iven preferential consideration. A rocess group 1 (95%): Places will purpose, applicants will be ran- ll assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- iking) and, secondly, according n in a third ranking will be calcu- nking. Among applicants with by lot. Selection process group 2 al number of ECTS credits already he same number of ECTS credits ers of the respective applicant; t. Quota 3 (25% of places): allo-					

07-4S1M-	Basics in Light- and Electron-Microscopy												
Z1-102-m01	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V + Ü	(no information o	n SWS (weekly contact	hours) and course language a	vailable)					
	Metho	d of ass	essment	written examination (approx. 30 to 60 minutes)									
	other p	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.								
		pants an of place		follow dits. S Bache will b Bache of the ber of from t re will poner cessfi waitir prima ked a studie the sa (5%): achie achie amon catior	vs: Places will prin Should the module elor's degree subje e allocated to stude elor's degree subje e application-orien f places available the other quota. S l be a uniform regent that are concern ully completed at ng list will be main arily be allocated at coording to the nue es or of all module atik (Mathematics to their average gr eir total number of as the sum of the ame ranking, place ved in modules/m ved, places will be applicants with n by lot. Should th	narily be allocated to st e be used in other subj ect Biologie (Biology) w dents of the Bachelor's ects Computational Ma need subject Biology (as in one quota exceed th should there be, within ulation for the courses ned will be allocated in least one other module tained and places re-a according to the applica ade weighted according ECTS credits achieved se two rankings, and pl es will be allocated acc pocated according to the nodule components of the e allocated by lot. Quot the same number of su	tudents of the Bachelor's degrees, there will be two quotas: with 180 ECTS credits and 5% of degree subject Biologie (Biologie thematics and Mathematik (Massed as potentially to student be number of applications, the one module component, sever of one module component. In a standardised procedure. In e component of the respective illocated as they become availants' previous academic achieved hey have achieved and their availants' previous academic achieved ants' previous academic achieved bject of Biologie (Biology) (exc ation. This will be done as follogies to the number of ECTS credit (quantitative ranking). The ap- laces will be allocated accordition ording to the qualitative ranking following quotas: Quota 1 (50 the Faculty of Biology; among a a 2 (25% of places): number of ubject semesters, places will by in the Bachelor's degree subjet and the subject of biologies (Biology) (by a standardised biology) (by a subject semesters, places will by a subject semesters, by a subject semesters) and a subject semesters.	ee subject Biolog 95% of places w of places (a minim ogy) with 60 ECTS Nathematics), eac so of other 'import remaining places ral courses with a this case, places this procedure, a module will be g able. Selection p vements. For this verage grade of a cluding Chemie ((ows: First, application plicants' position ng to this third ra ng or otherwise b 0% of places): tot applicants with the f subject semest	aces, places will be allocated as gie (Biology) with 180 ECTS cre- vill be allocated to students of the num of one participant in total) 5 credits and to students of the ch with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants a restricted number of places, the- s on all courses of a module com- applicants who already have suc- iven preferential consideration. A rocess group 1 (95%): Places will s purpose, applicants will be ran- tll assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- nking) and, secondly, according n in a third ranking will be calcu- anking. Among applicants with by lot. Selection process group 2 cal number of ECTS credits already he same number of ECTS credits ters of the respective applicant; t. Quota 3 (25% of places): allo- logy) with 180 ECTS credits, pla-				

07-4S1M-	Analysis of Chromosomes												
Z2-102-m01	ECTS	5	Duratior	۱	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	!S		V + Ü	(no information or	n SWS (weekly contact	hours) and course language a	vailable)					
	Metho	d of ass	essment	written examination (approx. 30 to 60 minutes)									
	other p	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.								
		pants ar	es	follow dits. S Bache will be Bache of the ber of from t re will poner cessft waitin prima ked ac studie the sa (5%): achiev achiev amon catior	vs: Places will prim Should the module elor's degree subje e allocated to stud elor's degree subje application-orien f places available i the other quota. Sl l be a uniform regunt that are concern ully completed at l ng list will be main arily be allocated a ccording to the nu es or of all module atik (Mathematics) to their average gra- are ranking, place Places will be allo ved in modules/m ved, places will be g applicants with the by lot. Should the	narily be allocated to si e be used in other subj ect Biologie (Biology) w dents of the Bachelor's ects Computational Ma ted subject Biology (as in one quota exceed th hould there be, within ulation for the courses ned will be allocated in least one other module tained and places re-a according to the applica ade weighted accordin ECTS credits achieved se two rankings, and pl es will be allocated according to the adlocated according to the source of the application add weighted accordin ECTS credits achieved se two rankings, and pl es will be allocated according to the add according to the podule components of the allocated by lot. Quot the same number of su	tudents of the Bachelor's degre lects, there will be two quotas: with 180 ECTS credits and 5% of degree subject Biologie (Biolo athematics and Mathematik (M s well as potentially to student be number of applications, the one module component, sever of one module component. In a standardised procedure. In a standardised procedure. In a standardised procedure. In a standardised procedure. In a standardised procedure availa ants' previous academic achieven hey have achieved and their availation. This will be done as follo g to the number of ECTS credit (quantitative ranking). The ap- laces will be allocated accordin cording to the qualitative ranking at 2 (25% of places): number of ubject semesters, places will b v in the Bachelor's degree subjects and the subjects and the subjects and the subjects and the subject of at a standardised procedure and the subjects are a subjects and the subjects and the subjects and s	ee subject Biolog 95% of places w of places (a minim ogy) with 60 ECTS lathematics), eac s of other 'import remaining places ral courses with a this case, places this procedure, a module will be g able. Selection p vements. For this verage grade of a cluding Chemie ((bws: First, application s (qualitative ran plicants' position ng to this third ran ng or otherwise b % of places): tot applicants with the f subject semest	ices, places will be allocated as gie (Biology) with 180 ECTS cre- ill be allocated to students of the num of one participant in total) 5 credits and to students of the th with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants a restricted number of places, the- on all courses of a module com- pplicants who already have suc- iven preferential consideration. A rocess group 1 (95%): Places will be purpose, applicants will be ran- ll assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- iking) and, secondly, according n in a third ranking will be calcu- inking. Among applicants with by lot. Selection process group 2 al number of ECTS credits already he same number of ECTS credits ers of the respective applicant; t. Quota 3 (25% of places): allo- logy) with 180 ECTS credits, pla-				

07-4S1M-	Special Bioinformatics 1												
Z6-102-m01	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate							
	Courses	V	+ Ü (no information o	on SWS (weekly contact hours) and course lang	guage available)								
	Method of ass		log (approx. 10 to 20 pages) Language of assessment: German or English										
	other prerequi		dmission prerequisite s specified at the begi	e to assessment: regular attendance of exercis inning of the course.	es and successful comp	etion of the respective exercises							
	Participants a cation of place	es fo di Bi w Bi of bu fri re pu ce w pu ke st th di to la th (5 ac ac ac ac ac ac ac ac ac ac ac ac ac	Allows: Places will prir its. Should the modul achelor's degree subj ill be allocated to stud achelor's degree subj f the application-orier er of places available om the other quota. S will be a uniform reg onent that are concern essfully completed at aiting list will be mair rimarily be allocated at ed according to the nu- udies or of all modules ing to their average gr their total number of ted as the sum of the ne same ranking, plac shieved in modules/n chieved, places will be mong applicants with ation by lot. Should th	Should the number of applications exceed the marily be allocated to students of the Bachelor le be used in other subjects, there will be two of ject Biologie (Biology) with 180 ECTS credits and dents of the Bachelor's degree subject Biologi jects Computational Mathematics and Mathemated subject Biology (as well as potentially to should there be, within one module component gulation for the courses of one module component of the respondance of BCTS credits they have achieved and e components in the subject of Biologie (Biologies)) at the time of application. This will be done rade weighted according to the number of ECTS fectors credits achieved (quantitative ranking). Ease two rankings, and places will be allocated according to the qualitative ocated according to the following quotas: Quo nodule components of the Faculty of Biology; are allocated by lot. Quota 2 (25% of places): number of subject semesters, place ne module be used only in the Bachelor's degree coording to the selection process of group 1.	r's degree subject Biolog quotas: 95% of places w nd 5% of places (a minin ie (Biology) with 60 ECTS natik (Mathematics), eac students of other 'impor ons, the remaining place to several courses with a nent. In this case, places dure. In this procedure, a pective module will be g ne available. Selection p ic achievements. For this their average grade of a ogy) (excluding Chemie ((as follows: First, applica S credits (qualitative rar The applicants' position according to this third ra ve ranking or otherwise b ta 1 (50% of places): tot among applicants with t umber of subject semest es will be allocated by lo	gie (Biology) with 180 ECTS cre- vill be allocated to students of the num of one participant in total) S credits and to students of the ch with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants a restricted number of places, the- s on all courses of a module com- applicants who already have suc- given preferential consideration. A process group 1 (95%): Places will s purpose, applicants will be ran- all assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- nking) and, secondly, according n in a third ranking will be calcu- anking. Among applicants with by lot. Selection process group 2 tal number of ECTS credits already the same number of ECTS credits ters of the respective applicant; ot. Quota 3 (25% of places): allo-							

07-4S1PS1-102-	Molecu	ılar moo	lelling - Fro	rom DNA to protein							
m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S	١	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	d of ass		computerised practical examination (approx. 6 hours)							
	other p	rerequi	sites A	Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.							
	Particip cation of		s f E V E C C E C C E C C C C C C C C C C C	follow dits. S Bache will be Bache of the ber of from t re will ponen cessfu waitin prima ked ac studie thema ding to to the lated a the sa (5%): achiev achiev achiev achiev	vs: Places will prin should the module of s degree sub- e allocated to stu- elor's degree sub- application-orient places available the other quota. Selection that are concer- ully completed at rily be allocated cording to the main rily be allocated cording to the main rily be allocated cording to the main rily be allocated atik (Mathematics o their average g ir total number o as the sum of the ame ranking, place Places will be all ved in modules/r ved, places will b g applicants with the by lot. Should the	marily be allocated to sile be used in other subj ject Biologie (Biology) we dents of the Bachelor's jects Computational Ma nted subject Biology (as in one quota exceed the Should there be, within gulation for the courses red will be allocated in the least one other module ntained and places re-a according to the application according to the application in the time of application fECTS credits achieved ese two rankings, and places set will be allocated according fects credits achieved ese two rankings, and places according to the subject according fects credits achieved ese two rankings, and places according to the subject according fects credits achieved according to the module components of the module components of the set he same number of subjects.	tudents of the Bachelor's degree ects, there will be two quotas: of vith 180 ECTS credits and 5% of degree subject Biologie (Biologi thematics and Mathematik (Ma s well as potentially to students e number of applications, the re- one module component, severa of one module component, severa of one module component. In the a standardised procedure. In the component of the respective m llocated as they become availa- ants' previous academic achieved hey have achieved and their avec bject of Biologie (Biology) (exclu- ation. This will be done as follow g to the number of ECTS credits (quantitative ranking). The app laces will be allocated accordin ording to the qualitative ranking following quotas: Quota 1 (50% the Faculty of Biology; among a a 2 (25% of places): number of ibject semesters, places will be in the Bachelor's degree subje	e subject Biolog 95% of places w places (a minim gy) with 60 ECTS of other 'import emaining places al courses with a his case, places nis procedure, a nodule will be gi ble. Selection p ements. For this erage grade of a uding Chemie ((ws: First, applica (qualitative ran licants' positior g to this third ra g or otherwise b 6 of places): tota pplicants with the subject semesta	ill be allocated to students of the hum of one participant in total) credits and to students of the h with 180 ECTS credits, as part ing' subjects). Should the num- s will be allocated to applicants restricted number of places, the- on all courses of a module com- pplicants who already have suc- ven preferential consideration. A rocess group 1 (95%): Places will purpose, applicants will be ran- ll assessments taken during their Chemistry), Physik (Physics), Ma- ints will be ranked, firstly, accor- king) and, secondly, according in a third ranking will be calcu- nking. Among applicants with y lot. Selection process group 2 al number of ECTS credits already ne same number of ECTS credits		

07-4S1PS2-102-	Introdu	iction to	Methods	s in Plant Ecophysiology								
m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	s		Ü + S	Ü + S (no information on SWS (weekly contact hours) and course language available)							
	Method	d of asse	essment	log (approx. 10 to 20 pages)								
	other prerequisites			Admission prerequisite to assessment: regular attendance of exercises and seminar as well as successful completion of the respective exercises as specified at the beginning of the course.								
		oants an of place	S	follow dits. S Bache will be Bache of the ber of from t re will poner cessfu waitin prima ked ac studie the sa (5%): achiev achiev achiev sache ber of from t re will poner cessfu to the lated achiev studie to the lated achiev studie to the sache studie to the sache studie to to the sache studie to the sac	vs: Places will prima Should the module be elor's degree subject e allocated to stude elor's degree subject application-oriente f places available in the other quota. Sho l be a uniform regula nt that are concerne- ully completed at lead rily be allocated acco ccording to the num es or of all module c atik (Mathematics)) to their average grad eir total number of EC as the sum of these ame ranking, places Places will be allocated ved in modules/mod ved, places will be allocated ag applicants with the n by lot. Should the sum	rily be allocated to stope used in other subjut Biologie (Biology) we not soft the Bachelor's ts Computational Mated subject Biology (as one quota exceed thould there be, within eation for the courses of will be allocated in ast one other module there of ECTS credits the omponents in the subjuct Biology at the time of application of ECTS credits achieved two rankings, and ple will be allocated according to the application and places re-active according to the application of ECTS credits achieved two rankings, and ple will be allocated according to the allocated according to the allocated according to the allocated by lot. Quot the same number of subject subject of subject of subject.	ith 180 ECTS credits and 5% of degree subject Biologie (Biolog thematics and Mathematik (Ma well as potentially to students e number of applications, the re- one module component, severa of one module component. In th a standardised procedure. In th component of the respective m llocated as they become availal ants' previous academic achieve have achieved and their ave bject of Biologie (Biology) (exclu- ation. This will be done as follow g to the number of ECTS credits (quantitative ranking). The appli- aces will be allocated according ording to the qualitative ranking following quotas: Quota 1 (50% the Faculty of Biology; among ap a 2 (25% of places): number of bject semesters, places will be in the Bachelor's degree subject	e subject Biolog 5% of places w places (a minim gy) with 60 ECTS (thematics), eac of other 'import emaining places I courses with a nis case, places nis procedure, a nodule will be gi ble. Selection places ender grade of a uding Chemie ((vs: First, applica (qualitative ran licants' position g to this third ra g or otherwise b 6 of places): tota pplicants with th subject semesta	ie (Biology) with 180 ECTS cre- ill be allocated to students of the num of one participant in total) credits and to students of the h with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants restricted number of places, the- on all courses of a module com- pplicants who already have suc- iven preferential consideration. A rocess group 1 (95%): Places will purpose, applicants will be ran- ll assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- king) and, secondly, according n in a third ranking will be calcu- nking. Among applicants with y lot. Selection process group 2 al number of ECTS credits already he same number of ECTS credits			

07-4S1PS3-102-	Pharmaceutical Drugs in Plants												
m01	ECTS	5	Duration	l	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		Ü + S (no information on SWS (weekly contact hours) and course language available)									
	Metho	d of ass		methods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- nation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the assessment prior to the course									
	other p	orerequi				to assessment: regula specified at the begin		d seminar as well	as successful completion of the				
		pants ar	25	follow dits. S Bache will be Bache of the ber of from t re will poner cessft waitin prima ked ac studie the sa (5%): achiev achiev amon catior	s: Places will prir Should the modul elor's degree subj e allocated to stud elor's degree subj application-orier places available the other quota. S l be a uniform reg at that are concern ully completed at rily be allocated a ccording to the nu es or of all module atik (Mathematics o their average gr ir total number of as the sum of the me ranking, plac Places will be allo ved in modules/n ved, places will be g applicants with by lot. Should th	narily be allocated to s e be used in other subj ect Biologie (Biology) v dents of the Bachelor's ects Computational Ma ited subject Biology (as in one quota exceed th hould there be, within ulation for the courses ned will be allocated in least one other module tained and places re-a according to the applica- tate of ECTS credits t e components in the sub-)) at the time of applica- ade weighted according ECTS credits achieved se two rankings, and p es will be allocated according to the nodule components of e allocated by lot. Quo the same number of sub-	tudents of the Bachelor's deg jects, there will be two quotas with 180 ECTS credits and 5% degree subject Biologie (Bio athematics and Mathematik (I s well as potentially to studer ne number of applications, the one module component, seve of one module component. In a standardised procedure. In e component of the respective allocated as they become avai ants' previous academic achi- hey have achieved and their a abject of Biologie (Biology) (ex- ation. This will be done as fol- g to the number of ECTS cred (quantitative ranking). The a laces will be allocated accord cording to the qualitative rank- e following quotas: Quota 1 (5 the Faculty of Biology; among ta 2 (25% of places): number ubject semesters, places will y in the Bachelor's degree sub	gree subject Biolog s: 95% of places w of places (a minir logy) with 60 ECTS Mathematics), each this of other 'impor e remaining place eral courses with a n this case, places in this procedure, a e module will be g ilable. Selection p evements. For this average grade of a kcluding Chemie (lows: First, applic its (qualitative rar pplicants' position ing to this third ra- king or otherwise f o% of places): tot g applicants with t of subject semest	ces, places will be allocated as gie (Biology) with 180 ECTS cre- vill be allocated to students of the num of one participant in total) S credits and to students of the ch with 180 ECTS credits, as part ting' subjects). Should the num- s will be allocated to applicants a restricted number of places, the- s on all courses of a module com- applicants who already have suc- tiven preferential consideration. A process group 1 (95%): Places will s purpose, applicants will be ran- all assessments taken during their Chemistry), Physik (Physics), Ma- ants will be ranked, firstly, accor- nking) and, secondly, according n in a third ranking will be calcu- anking. Among applicants with by lot. Selection process group 2 cal number of ECTS credits already the same number of ECTS credits ters of the respective applicant; t. Quota 3 (25% of places): allo- logy) with 180 ECTS credits, pla-				

07-S1-LP1-102-m01	Laborat	tory pra	ctical cou	ırse l									
· .		5	Duration		1 semester	Method of gradin	g numerical grade	Modul level	undergraduate				
	Courses	S		P (no	information on SW	S (weekly contact ho	ours) and course langu	age available)					
	Method	l of asse	essment	natio per ca	methods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- nation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the assessment prior to the course								
	other p	rerequis	sites			to assessment: regu dvisory service in ac		ourse as specified at th	e beginning of the course; please				
07-S1-Ex1-102-m01	Excursi	on l											
	ECTS 5 Duratio			ı	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate				
	Courses	S		E (no	information on SW	S (weekly contact ho	ours) and course langu	age available)					
	Method	l of asse	essment	natio per ca	nethods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- ation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes er candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the ssessment prior to the course								
	other p	rerequis	sites			to assessment: regu sory service in advar		trip as specified at the l	beginning of the course; please con-				
07-S1-IP1-102-m01	Interdis	Interdisciplinary Project I											
	ECTS	5	Duration	1	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate				
	Course	S		R (no	information on SW	S (weekly contact ho	ours) and course langu	age available)					
	Method	l of asse	essment	natio per ca	n of one candidate	each (approx. 30 mi sentation (approx. 20	nutes) or d) oral exami	nation in groups of up t	ox. 10 to 20 pages) or c) oral exami- o 3 candidates (approx. 20 minutes out the method and length of the				
	other p	rerequis	sites			to assessment: regu demic advisory servi		ct sessions as specified	l at the beginning of the course;				
07-5EP-102-m01	Externa	l Practi	cal Cours	e									
	ECTS	10	Duration	1	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate				
	Courses	S		P (no	information on SW	'S (weekly contact ho	ours) and course langu	age available)					
	Method	l of asse	essment	natio per ca	n of one candidate	each (approx. 30 mi sentation (approx. 20	nutes) or d) oral exami	nation in groups of up t	ox. 10 to 20 pages) or c) oral exami- o 3 candidates (approx. 20 minutes out the method and length of the				
	other p	rerequis	sites	Admi consi	e beginning of the course; please								

07-S2-EX2-102-	Excurs	ion II										
mo1	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S		E (no	E (no information on SWS (weekly contact hours) and course language available)							
	Methoo	Method of assessment			methods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- nation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the assessment prior to the course							
	other p	orerequi	sites		Admission prerequisite to assessment: regular attendance of field trip as specified at the beginning of the course; please con- sult with academic advisory service in advance.							
07-S2-IP2-102-	Interdi	Interdisciplinary Project II										
m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S		R (no	information on SWS	(weekly contact hours) and course language availa	ıble)					
	Methoo	Method of assessment			methods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- nation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes) per candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the assessment prior to the course							
	other p	other prerequisites			Admission prerequisite to assessment: regular attendance of project sessions as specified at the beginning of the course; please consult with academic advisory service in advance.							
07-S2-LP2-102-	Labora	tory Pra	actical Co	urse II								
m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S		P (no	information on SWS	(weekly contact hours) and course language availa	ible)					
	Methoo	d of ass	essment	natio per ca	methods of assessment: a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral exami- nation of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes); students will be informed about the method and length of the assessment prior to the course							
	other prerequisites			Admission prerequisite to assessment: regular attendance of lab course as specified at the beginning of the course; please consult with academic advisory service in advance.								

07-SQF-0SB-102-	Organisation and Safety in Biosciences												
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V + S	(no information on	SWS (weekly contact	hours) and course language	e available)					
	Method	of asse	essment	a) wri	tten examination (30 to 60 minutes) and	b) presentation (approx. 10	minutes) or term p	aper (approx. 5 to 10 pages)				
	Particip								ices, places will be allocated as				
	cation o	of place	S		follows: Places will primarily be allocated to students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS cre-								
					dits. Should the module be used in other subjects, there will be two quotas: 95% of places will be allocated to students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits and 5% of places (a minimum of one participant in total)								
				will b	e allocated to stud	ents of the Bachelor's	degree subject Biologie (Bio	ology) with 60 ECTS	S credits and to students of the				
									ch with 180 ECTS credits, as part				
									ting' subjects). Should the num-				
					ber of places available in one quota exceed the number of applications, the remaining places will be allocated to applicants from the other quota. Should there be, within one module component, several courses with a restricted number of places, the-								
				re wil	e will be a uniform regulation for the courses of one module component. In this case, places on all courses of a module com-								
					onent that are concerned will be allocated in a standardised procedure. In this procedure, applicants who already have suc-								
					essfully completed at least one other module component of the respective module will be given preferential consideration. A aiting list will be maintained and places re-allocated as they become available. Selection process group 1 (95%): Places will								
					primarily be allocated according to the applicants' previous academic achievements. For this purpose, applicants will be ran-								
				ked according to the number of ECTS credits they have achieved and their average grade of all assessments taken during their studies or of all module components in the subject of Biologie (Biology) (excluding Chemie (Chemistry), Physik (Physics), Ma-									
				thematik (Mathematics)) at the time of application. This will be done as follows: First, applicants will be ranked, firstly, accor- ding to their average grade weighted according to the number of ECTS credits (qualitative ranking) and, secondly, according									
				to the	eir total number of I	ECTS credits achieved	(quantitative ranking). The a	applicants' positio	n in a third ranking will be calcu-				
									anking. Among applicants with				
									by lot. Selection process group 2 al number of ECTS credits already				
									he same number of ECTS credits				
				achie	ved, places will be	allocated by lot. Quot	a 2 (25% of places): numbe	r of subject semest	ers of the respective applicant;				
									t. Quota 3 (25% of places): allo-				
						ording to the selection		idject biologie (bio	logy) with 180 ECTS credits, pla-				
07-3A3E-	Develop	omenta	l Biology		nts for minor field o								
BIOP-102-m01	——————————————————————————————————————	4	Duration			Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V + Ü	(no information on	SWS (weekly contact	hours) and course language	e available)					
	Method	ofasse	essment	writte	written examination (approx. 30 to 60 minutes) including multiple choice questions								
	other pr	rerequis	sites	Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.									

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Application-oriente	ed Subje	ct Chem	iistry (40	ECTS	credits)						
Application-orient	ed Subje	ct Chem	istry Cor	npulso	ory Courses (26 ECT	S credits)					
11-EFNF-072-m01	Introdu	uction to	Physics	for Stu	udents of Non-physi	ics-related Minor Sul	ojects				
	ECTS	7	Duration	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + V (no information on SWS (weekly contact hours) and course language available)							
	Method	d of asse	essment		written examination (approx. 120 minutes)						
	Participants and allo- cation of places		Only a	Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.							
08-PC1-092-m01		al Chem	istry 1								
	ECTS 8 Duratio			1 semester	Method of grading	, and the second s	Modul level	undergraduate			
	Course	S		V + Ü	+ V + Ü (no informa	tion on SWS (weekly	contact hours) and course langu	uage available)			
	Method	d of asse	essment	writte	en examinations: 60	itten examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 minations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examina- Ips (groups of 2, approx. 30 minutes)					
	other prerequisites				Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).						
08-CM1-112-m01	Introdu	iction to	Inorgani	ic Cher	mistry for Students	of Mathematics and	other Subjects				
	ECTS	6	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (no information on SWS (weekly contact hours) and course language available)							
	Method	d of asse	essment	writte	en examination (app	rox. 90 minutes)					
08-0C1-092-m01	<u> </u>	c Chemi	stry 1					2	· · · · · · · · · · · · · · · · · · ·		
	ECTS	5	Duration		1 semester	Method of grading	, °	Modul level	undergraduate		
	Course	-			-		hours) and course language ava				
	Methoo	d of asse	essment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)							
_	other prerequisites			ning	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).						
	Referre	d to in L	PO I	§ 62 ((1) 2. Chemie "Orgar	nische und Bioorgani	sche Chemie"				

Application-orient	ed Subject Che	misty Com	pulsory	/ Electives (14 EC	TS credits)							
08-TC-092-m01	Theoretical N	Nodels in C	hemistı	ry								
	ECTS 3	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + Ü (no information o	on SWS (weekly contact	hours) and course la	nguage available)	· ·				
	Method of as	sessment	each;	3 written examin		utes each) or b) oral e		ations: approx. 60 or 90 minute date each (approx. 20 minutes)				
	other prerequ	uisites	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).									
08-PC3-092-m01	Physical and Theoretical Chemistry 3: Symmetry and Quantum Chemistry											
	ECTS 6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + Ü +	+ V + Ü (no inforn	nation on SWS (weekly	contact hours) and co	ourse language available))				
	Method of as	sessment	exami	nations: 60 minu				o or 90 minutes each; 3 written ninutes) or c) oral examination i				
	other prerequ	uisites	ning o	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).								
08-0C2-102-m01	Organic Chemistry 2											
	ECTS 9	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + V +	- Ü (no informatio	on on SWS (weekly con	tact hours) and cours	e language available)					
	Method of as	sessment	 a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English 									
	Modules such completed	cessfully	08-0C	1								
	other prerequ	uisites	ning o	f the course (usu		be successfully com		classes as specified at the beg r attendance of exercises (usua				
Application-orient	ed Subject Geo	graphy (40	ECTS of	redits)								
Application-orient	ed Subject Geo	graphy - B	asics of	f the Scientific D	iscipline (10 ECTS credi	ts)						
09-PG1ExD-102-	General Phys	ical Geogr	aphy 1 ((Earth System: E	xogeneous Dynamics -	Geomorphology)						
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + T (i	no information o	n SWS (weekly contact	hours) and course lar	nguage available)	,				
	Method of as	sessment	writter	n examination (a	pprox. 45 minutes)							
	Referred to in	LPO I	§ 47 (1) 1. Geographie Physiogeographie § 66 (1) 1. Geographie Physiogeographie									
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09-PG1KS-102-	Genera	l Physic	cal Geogr	aphy 2	(Earth System:	Climate System)							
m01	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S	•	V + T	(no information o	on SWS (weekly contact	hours) and course language av	ailable)					
	Metho	d of ass	essment	writte	n examination (a	pprox. 45 minutes)							
	Referre	ed to in L	PO I			Physiogeographie Physiogeographie							
09-PG1En-	Genera	General Physical Geography 3 (Earth System: Endogenic Dynamics)											
D-102-m01	ECTS 5 Duration			า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V + T	/ + T (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of ass	essment	writte	ritten examination (approx. 45 minutes)								
	Referred to in LPO I				47 (1) 1. Geographie Physiogeographie 66 (1) 1. Geographie Physiogeographie								
09-HG1SI-102-m01	Introdu	Introduction to the Geography of Cities, Towns and Villages											
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	Courses			(no information o	on SWS (weekly contact	hours) and course language av	ailable)					
	Metho	Method of assessment			n examination (a	pprox. 45 minutes)							
	Referre	Referred to in LPO I			§ 47 (1) 1. Geographie Humangeographie § 66 (1) 1. Geographie Humangeographie								
09-HG1WI-102-	Introduction to Economic Geography												
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V + T (no information on SWS (weekly contact hours) and course language available)									
	Metho	d of ass	essment	writte	n examination (a	pprox. 45 minutes)							
	Referre	ed to in L	PO I		§ 47 (1) 1. Geographie Humangeographie § 66 (1) 1. Geographie Humangeographie								
09-HG1SO-102-	Introdu	uction to	Social a	nd Pop	ulation Geograp	hy							
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V + T	no information o	on SWS (weekly contact	hours) and course language av	ailable)	- - -				
	Metho	d of ass	essment	writte	written examination (approx. 45 minutes)								
	Referre	Referred to in LPO I			§ 47 (1) 1. Geographie Humangeographie § 66 (1) 1. Geographie Humangeographie								

Application-oriente	ed Subje	ct Geog	raphy - S	pecial	Topics (10 ECTS c	redits)					
09-MT3-082-m01	Workin	g Meth	ods: Solic	Earth System							
	ECTS	10	Duratio	ı	1 semester	Method of gradi	ng numerical grade	Modul level	undergraduate		
	Course	S			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o9-MT3-1-082: S (no information on SWS (weekly contact hours) and course language available) o9-MT3-2-082: Ü (no information on SWS (weekly contact hours) and course language available) 						
	Method of assessment			Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
				 Assessment in module component og-MT3-1-082: Mineral and Rock Identification 5 ECTS, Method of grading: numerical grade written or oral examination of one candidate each (30 minutes each) Assessment in module component og-MT3-2-082: Geological Maps and Structures 5 ECTS, Method of grading: numerical grade written or oral examination of one candidate each (approx. 30 minutes each) or term paper (approx. 20 pages) 							
	Referre	d to in L	POI	§ 66 (1) 2. Geographie Methoden der Geographie							
09-MT2-082-m01	Theorie	es and A	Nethodolo	ogy in	Human Geograph	у					
	ECTS	5	Duration	ı	1 semester	Method of gradi	ng numerical grade	Modul level	undergraduate		
	Course	S	,	S (no	information on SV	NS (weekly contact h	ours) and course languag	ge available)			
	Method	d of ass	essment	written examination (45 minutes) and presentation (approx. 20 minutes), weighted 1:1							
	Referre	d to in L	POI	§ 66 (1) 2. Geographie Methoden der Geographie							
09-HG2T1-102-	Specia	l Issues	of Humai	ı Geog	raphy 1						
m01	ECTS	5	Duration	า	1 semester	Method of gradi	ng numerical grade	Modul level	undergraduate		
	Course	S		S (no information on SWS (weekly contact hours) and course language available)							
	Method	d of ass	essment	presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1							

09-MT4-102-m01	Quantita	ative a	nd Qualit	ative R	egional Analysis	5					
	ECTS	10	Duratio	n	1 semester	Method of grading	g numerical grade	Modul level	undergraduate		
	Courses			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o9-MT4-1-102: S (no information on SWS (weekly contact hours) and course language available) o9-MT4-2-102: S (no information on SWS (weekly contact hours) and course language available) 							
	Method	of ass	essment	 Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component og-MT4-1-102: Quantitative Regional Analysis 5 ECTS, Method of grading: numerical grade presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1 Assessment in module component og-MT4-2-102: Qualitative Regional Analysis 5 ECTS, Method of grading: numerical grade presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1 Assessment in module component og-MT4-2-102: Qualitative Regional Analysis 5 ECTS, Method of grading: numerical grade a) presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1 or b) 2 short presentations (10 minutes each) and one portfolio (including approx. 5 logs of practical exercises as well as approx. 3 exercises), weighted 1:1:2 							
	Referred	l to in l	lpo i	§ 66 (§ 66 (1) 2. Geographie Methoden der Geographie						
09-HG2T2-102-	Special	Issues	of Humai	n Geog	raphy 2						
n01	ECTS	5	Duratio	n	1 semester	Method of grading	g numerical grade	Modul level	undergraduate		
	Courses			S (no	information on S	SWS (weekly contact ho	ours) and course languag	e available)			
	Method	of ass	essment	prese	ntation (approx.	30 minutes) with writte	en elaboration (approx. 2	o pages), weighted 1:1			
09-HG3-102-m01	Applied Human Geography										
	ECTS	10	Duratio	n	1 semester	Method of grading	g numerical grade	Modul level	undergraduate		
	Courses			 This module comprises 2 module components. Information on courses will be listed separately for each module component. 09-HG3-1-082: S (no information on SWS (weekly contact hours) and course language available) 09-HG3-2-102: S (no information on SWS (weekly contact hours) and course language available) 							
	Method	of ass	essment	stated Asses	d otherwise, succ soment in module 5 ECTS, Methoc presentation (a soment in module 5 ECTS, Methoc	e component og-HG3-1 l of grading: numerical pprox. 30 minutes) wit e component og-HG3-2 l of grading: numerical	he module will require su - o82: Project-oriented Se grade h written elaboration (ap 2-102: Project-oriented Se grade	accessful completion of eminar 1 for Applied Hu prox. 20 pages), weigh eminar 2 for Applied Hu	ted 1:1 Iman Geography		
	Modules complet		essfully	• 09-H(h written elaboration (ap T-1 and 09-KART-1 and eit				

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09-FERN1-102-m01	Remote Sensing 1									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	s	•	V + T	[(no information on SWS (weekly contact hours) and course language available)					
	Metho	Method of assessment			written examination (approx. 45 minutes)					
	Referre	d to in	LPO I	§ 66	(1) 2. Geographie I	Nethoden der Geogra	ohie			
09-FERN2-102-m01	Remote Sensing 2									
	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V + T	V + T (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	writte	written examination (approx. 45 minutes)					
09-PG2T1-102-m01	Special Problems of Physical Geography 1									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		V (no	V (no information on SWS (weekly contact hours) and course language available)					
	Method	d of ass	essment	writte	written examination (approx. 45 minutes)					
09-PG2T2-102-	Special Problems of Physical Geography 2									
m01	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (no information on SWS (weekly contact hours) and course language available)							
	Method	d of ass	essment	prese	ntation (approx. 3	tion (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1				
09-MT1-102-m01	Data Acquisition and Processing in Physical Geography									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		S (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			presentation (approx. 15 minutes) with written elaboration (15 pages), weighted 1:1						
09-PG3-102-m01	Applied Physical Geography									
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o9-PG3-1-082: S (no information on SWS (weekly contact hours) and course language available) o9-PG3-2-102: S (no information on SWS (weekly contact hours) and course language available) 						
	Method of assessment			Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.						
				 Assessment in module component o9-PG3-1-082: Project Seminar: Establishing Current Status and Data Acquisition 5 ECTS, Method of grading: numerical grade presentation (30 minutes) with written elaboration (20 pages), weighted 1:1 Assessment in module component o9-PG3-2-102: Project Seminar: Data Evaluation, Data Visualisation and Presentation 5 ECTS, Method of grading: numerical grade project report (approx. 20 pages) 						

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09-KART1-102-m01	Cartography 1										
-	ECTS 5 Duratio			n	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Course	Courses			(no information o	n SWS (weekly contac	t hours) and course lang	uage available)			
	Methoo	d of ass	essment	written examination (approx. 75 minutes) and practice work (approx. 30 hours for creating approx. 3 maps or diagrams); weighted 1:1							
	Referred to in LPO I			§ 66 (1) 2. Geographie Methoden der Geographie							
09-MT5-102-m01	Working Methods of Physical Geography										
	ECTS	10	Duratio	n	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Courses			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o9-MT5-1-082: P (no information on SWS (weekly contact hours) and course language available) o9-MT5-2-102: S (no information on SWS (weekly contact hours) and course language available) 							
	Method	d of ass	essment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
						 Assessment in module component o9-MT5-1-o82: Introduction to physiogeographical Fieldwork Skills, Field Mapping and Measuring 5 ECTS, Method of grading: numerical grade placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 15 pages) Assessment in module component o9-MT5-2-102: Data management, -analysis and -interpretation 5 ECTS, Method of grading: numerical grade presentation of project (approx. 30 minutes) with written elaboration (approx. 20 pages) 					
09-MT6-102-m01	Methods of Planning in Human Geography										
	ECTS	10	Duratio	n	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Course	S		 This module comprises 2 module components. Information on courses will be listed separately for each module component. o9-MT6-1-082: S (no information on SWS (weekly contact hours) and course language available) o9-MT6-2-102: S (no information on SWS (weekly contact hours) and course language available) 							
	Method of assessment			 Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component og-MT6-1-082: Methods of Planning in Human Geography 1 5 ECTS, Method of grading: numerical grade a) presentation (approx. 25 minutes) with written elaboration (approx. 12 pages), weighted 1:1 or b) term paper (ap- 							
				Asses •	ted 1:1 ssment in module 5 ECTS, Method a) presentation	component og-MT6 - of grading: numerical (approx. 25 minutes)	2-102: Planning Methods grade	in Human Geography 2 approx. 12 pages) or b)	term paper (approx. 20 pages)		

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10-I-AGT-122-m01	Algorit	hmic Gı	aph Theo	ry								
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)	•			
	Method of assessment			writte didate	written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes) Language of assessment: English, German if agreed upon with the examiner							
	other p	rerequi	sites	Where	here applicable, prerequisites as specified by the lecturer at the beginning of the course (e.g. completion of exercises).							
10-I-ADS-102-m01	Algorithm and data structures											
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)				
	Method of assessment other prerequisites			90 mi (appro Admis	written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to to minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the ourse).							
	Referred to in LPO I				§ 49 (1) 1. a) Informatik Theoretische Informatik, Algorithmen und Datenstrukturen § 69 (1) 1. a) Informatik Theoretische Informatik, Algorithmen und Datenstrukturen							
10-I-ST-102-m01	Software Technology											
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			writte 90 mi	written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3.							
	other p	rerequi	sites		Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).							
	Referre	d to in I	LPO I			ysteme und Software ysteme und Software						

10-I-PP-102-m01	Practic	al Cour	se in Prog	rammi	ng						
	ECTS	10	Duration	า	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate		
	Course	S		P (no	information on SWS	S (weekly contact hou	urs) and course language ava	ailable)			
	Methoo	d of ass	essment	writte 90 mi	vritten examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the vritten examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to o minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. dmission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the ourse).						
	other p			cours							
	Additio	nal Info	ormation	Addit	onal information o	n module duration: 1	to 2 semesters.				
	Referre	d to in I	LPO I		49 (1) 1. c) Informatik Praktische Softwareentwicklung 69 (1) 1. d) Informatik Praktische Softwareentwicklung						
10-I-SWP-102-m01	Practic	al cours	se in softv	vare							
	ECTS	10	Duration	า	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate		
	Course	S		P (no	information on SWS	S (weekly contact hou	urs) and course language ava	ailable)			
	Method	d of ass	essment	comp	letion of project as	signments, presentat	ion				
	Referre	d to in l	LPO I			raktische Softwareen Praktische Softwareer					
10-I-RAL-102-m01	Digital	compu	ter systen	ns							
	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment				written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3.						
	other p	rerequi	sites	Admis cours		o assessment: exerci	ses (type and scope to be ar	nounced by the le	ecturer at the beginning of the		
	Referre	d to in	LPO I	§69(1) 1. c) Informatik T	echnische Informatik					
10-l-lÜ-102-m01		ation Tr	ansmissi	sion							
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language	e available)			
	Methoo	d of ass	essment	writte 90 mi	written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3.						
	other p	•	_	cours	e).			nounced by the le	ecturer at the beginning of the		
	Referre	d to in	LPO I	§69 (1) 1. c) Informatik T	echnische Informatik	·				

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10-I-TI-102-m01	Theoret	tical inf	ormatics		•	,						
	ECTS	10	Duratio	n	1 semester	Method of gradin	g numerical grade		Modul level	undergraduate		
	Courses	5	-3	V + Ü	(no information on	SWS (weekly conta	ct hours) and course l	anguage ava	ilable)			
	Method	l of asse	essment	writte 90 mi	en examination can inute written exami	be replaced by an o ination is equivalent	ral examination of on	e candidate ox.) oral exa	each or an ora mination of on	prior to the examination date, the l examination in groups. A 80 to e candidate each, a 30 minute ups of 3.		
	other pr	rerequis	sites	Admi cours		to assessment: exer	cises (type and scope	to be annou	inced by the le	cturer at the beginning of the		
	Referred to in LPO I				9 49 (1) 1. a) Informatik Theoretische Informatik, Algorithmen und Datenstrukturen 9 69 (1) 1. a) Informatik Theoretische Informatik, Algorithmen und Datenstrukturen							
10-l-LOG-102-m01	Logic fo	or inforr	~									
	ECTS	6	Duratio	n	1 semester	Method of gradin	g numerical grade		Modul level	undergraduate		
	Courses	5	_	V + Ü	(no information on	SWS (weekly conta	ct hours) and course l	anguage ava	ilable)			
	Method	l of asse	essment	writte	tten examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the tten examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one canate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes)							
	other pr	rerequis	sites	Admi cours		to assessment: exer	cises (type and scope	to be annou	inced by the le	cturer at the beginning of the		
10-l-DB-102-m01	Databas	ses										
ECTS 5			Duratio	n	1 semester	Method of gradin	g numerical grade		Modul level	undergraduate		
	Courses			V + Ü	(no information on	SWS (weekly conta	ct hours) and course l	anguage ava	ilable)			
	Method of assessment			if ann exam tes, g	written examination (approx. 50 to 60 minutes) if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minu- tes, groups of 3: 25 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other prerequisites				Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).							
	Referred	d to in L	.PO I			systeme und Softwa systeme und Softwa						
10-I-00P-102-m01	Object-	oriente	d Prograi	nming								
	ECTS	5	Duratio	n	1 semester	Method of gradin	g numerical grade		Modul level	undergraduate		
	Courses	5		V + Ü	(no information on	SWS (weekly conta	ct hours) and course l	anguage ava	ilable)			
	Method of assessment			writte didat	written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other pr	rerequis	sites		Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).							
Bachelor's with 1 major N	Nathematics	(2012)					JMU Würzburg • gene	erated 26-Aug-202	4 • exam. reg. data	record 82 105 - - H 2012 page 39 / 59		

10-I-KT-102-m01	Theory o	of Comp	olexity								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)			
	Method	of asse	essment	writte didate	written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one can- didate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes) Language of assessment: German, English if agreed upon with the examiner						
	other pre	oroquic	itoc		Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the						
				cours	course).						
10-I-AR-102-m01			d Control		ology						
	ECTS	8	Duration		1 semester	Method of grading	_	Modul level	undergraduate		
	Courses				+ Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment			writte 90 mi (appro Langu	vritten examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the vritten examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to oo minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. anguage of assessment: German, English if agreed upon with the examiner						
	other prerequisites			Admis cours		o assessment: exercis	ses (type and scope to be anno	unced by the le	cturer at the beginning of the		
10-I-RAK-102-m01	Compute	er Arch	itecture								
	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method of assessment			written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other prerequisites		ites	Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).							
	Referred to in LPO I			§69 (1) 1. c) Informatik Te	echnische Informatik					
10-I-RK-102-m01	Compute	er Netw	orks and	l Comm	unication Systems	i					
	ECTS 8	8	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment			written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. Language of assessment: German, English if agreed upon with the examiner Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the							
	other pre	erequis	sites	Admis cours		o assessment: exercis	ses (type and scope to be anno	unced by the le	cturer at the beginning of the		

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Application-orient	ed Subje	ect Philo	sophy Co	mpulse	ory Courses (20 EC	rs credits)							
06-B-P2-102-m01	Philos	Philosophy and the sciences											
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	!S		•	 This module comprises 2 module components. Information on courses will be listed separately for each module component. o6-B-P2-1-102: V + S (no information on SWS (weekly contact hours) and course language available) o6-B-P2-2-102: V + S (no information on SWS (weekly contact hours) and course language available) 								
	Metho	d of ass	essment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.								
				arts ai	nd humanities 5 ECTS, Method of written examinatio	grading: numerical g on (approx. 90 minut s: Admission prerequ	grade es)		anities Philosophical principles o inar (a maximum of 2 incidents				
				princi •	ples of natural scie 5 ECTS, Method of written examinatio	nces and technology grading: numerical g on (approx. 90 minut s: Admission prerequ	grade es)		es and technology Philosophica inar (a maximum of 2 incidents				
	other p	orerequi	sites	By wa	y of exception, add	itional prerequisites	are listed in the section on ass	essments.					
		pants ar of place): max. 20 places. Places will b number of subject semesters, p		ording to the number of subject ocated by lot.				

06-B-P1-122-m01	Princip	les of P	Philosophy	,								
	ECTS	10	Duratior	า	1 semester	N	Method of grading	g numerical gr	ade	Modul level	undergraduate	
	Course	!S		•	 This module comprises 3 module components. Information on courses will be listed separately for each module component. o6-B-P1-1-122: Ü (no information on SWS (weekly contact hours) and course language available) o6-B-P1-2-122: S (no information on SWS (weekly contact hours) and course language available) o6-B-P1-3-122: V + S (no information on SWS (weekly contact hours) and course language available) Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. 							
	Method	d of ass	essment	Asses								
				Asses Asses of Phi	 Assessment in module component o6-B-P1-1-122: Introduction to academic working techniques 2 ECTS, Method of grading: (not) successfully completed 1 small written assessment (approx. 1 page) and/or 1 oral assessment (approx. 5 minutes) Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises (a maximum of 2 incidents of unexcused absence). Assessment in module component o6-B-P1-2-122: Introduction to formal logic 3 ECTS, Method of grading: (not) successfully completed written examination (approx. 90 minutes) Other prerequisites: Admission prerequisite to assessment: regular attendance of seminar (a maximum of 2 incidents of unexcused absence). Assessment in module component o6-B-P1-3-122: Principles of Philosophy: historical epochs, main works, authors Principles of Philosophy: historical epochs, main works, authors Principles of Philosophy: historical epochs, main works, authors 5 ECTS, Method of grading: numerical grade oral examination (approx. 25 minutes) Other prerequisites: Admission prerequisite to assessment: regular attendance of seminar (a maximum of 2 incidents of Philosophy: historical epochs, main works, authors Principles of Philosophy: historical epochs, main works, authors 5 ECTS, Method of grading: numerical grade oral examination (approx. 25 minutes) Other prerequisites: Admission prerequisite to assessment: regular attendance of seminar (a maximum of 2 incidents of unexcused absence).							
	other p	orerequi	sites	By way of exception, additional prerequisites are listed in the section on assessments.								
Application-orient	ed Subje	ect Philo	osophy Co	mpuls	ory Electives (20	o ECTS	credits)					
06-B-P3-122-m01	Theore	tical Ph	nilosophy									
	ECTS	10	Duratior	ı	1 semester	N	Method of grading	g numerical gr	ade	Modul level	undergraduate	
	Course	!S		V + S	+ S (no informati	ion on	n SWS (weekly co	ntact hours) an	d course languag	e available)		
	Method	d of ass	sessment	oral e	xamination (app	יי 2 rox.	5 minutes) in one	e of the seminal	rs (seminar to be	selected by stu	dents)	
	other p	prerequi	sites	Admission prerequisite to assessment: regular attendance of seminars (a maximum of 2 incidents of unexcused absence).								
06-B-P4-122-m01	Practic	al Philo:	sophy									
	ECTS	10	Duration	า	1 semester	N	Nethod of grading	g numerical gr	ade	Modul level	undergraduate	
	Course	!S					n SWS (weekly co					
	Method	d of ass	sessment	writte	n examination (a	approx	x. 120 minutes) ir	one of the sen	ninars (seminar to	be selected by	y students)	
	other p	orerequi	sites	Admis	ssion prerequisit	te to as	ssessment: regu	ar attendance (of seminars (a ma	aximum of 2 inc	idents of unexcused absence).	

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06-B-P5-122-m01	History of Phil	osophy								
	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + S	V + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of ass	essment		written examination (approx. 120 minutes) in one of the seminars (seminar to be selected by students)						
	other prerequi			Admission prerequisite to assessment: regular attendance of seminars (a maximum of 2 incidents of unexcused absence).						
06-B-P6-122-m01	Issues of resea	-		hy						
	ECTS 10	Duratio		1 semester	Method of grading		Modul level	undergraduate		
	Courses			- S + S (no information on SWS (weekly contact hours) and course language available) al examination (approx. 25 minutes) in one of the seminars (seminar to be selected by students)						
					-					
	other prerequi			Admission prerequisite to assessment: regular attendance of seminars (a maximum of 2 incidents of unexcused absence).						
06-B-W1-122-m01	Text Analysis:									
	ECTS 5 Duration			1 semester	Method of grading	_	Modul level	undergraduate		
	Courses			(no information on SWS (weekly contact hours) and course language available)						
		-		ritten examination (approx. 120 minutes) or term paper (approx. 12 pages)						
	other prerequi				assessment: regular	r attendance of seminar (a max	imum of 2 incid	lents of unexcused absence).		
06-B-W2-122-m01	Text Analysis:	-	·	· · ·						
	ECTS 5	Duratio	4	1 semester	Method of grading		Modul level	undergraduate		
	Courses					rs) and course language availa	ble)			
						erm paper (approx. 12 pages)				
	other prerequi				assessment: regular	r attendance of seminar (a max	imum of 2 incid	lents of unexcused absence).		
06-B-W3-122-m01	Text Analysis:			<u> </u>						
	ECTS 5	Duratio		1 semester	Method of grading		Modul level	undergraduate		
	Courses	_		S (no information on SWS (weekly contact hours) and course language available)						
			written examination (approx. 120 minutes)							
	other prerequi			Admission prerequisite to assessment: regular attendance of seminar (a maximum of 2 incidents of unexcused absence).						
06-B-W4-122-m01	Text Analysis:	-	-	· ·						
	ECTS 5	Duratio		1 semester	Method of grading	-	Modul level	undergraduate		
	Courses	_		S (no information on SWS (weekly contact hours) and course language available)						
				written examination (approx. 120 minutes)						
	other prerequi		Admission prerequisite to assessment: regular attendance of seminar (a maximum of 2 incidents of unexcused absence).							
06-B-W5-122-m01	Basic disciplin	· · · · · · · · · · · · · · · · · · ·		<u> </u>						
	ECTS 5	Duratio		1 semester	Method of grading	_	Modul level	undergraduate		
	Courses					rs) and course language availa	ble)			
		-		paper (approx. 12 pa						
	other prerequi	sites	Admi	ssion prerequisite to	assessment: regular	r attendance of seminar (a max	imum of 2 incid	lents of unexcused absence).		

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06-B-W6-122-m01	Specific discip	lines of t	heoret	ical philosophy						
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		S (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Method of ass	essment	term	erm paper (approx. 12 pages) or oral examination (approx. 25 minutes)						
	other prerequi				assessment: regular attendance of seminar (a max	kimum of 2 incid	lents of unexcused absence).			
06-B-W7-122-m01	Basic disciplin			hilosophy						
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		ļ	(no information on SWS (weekly contact hours) and course language available)						
				erm paper (approx. 12 pages) or oral examination (approx. 25 minutes)						
	other prerequi			dmission prerequisite to assessment: regular attendance of seminar (a maximum of 2 incidents of unexcused absence).						
06-B-W9-122-m01	Problems of O	lder Philo	sophy				<u></u>			
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		S (no	information on SWS	(weekly contact hours) and course language availa	able)				
				paper (approx. 12 pa						
	other prerequi				assessment: regular attendance of seminar (a max	kimum of 2 incid	lents of unexcused absence).			
06-B-W8-122-m01	Specific discip			<u>, , , ,</u>						
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses				(weekly contact hours) and course language availa	able)				
					ges) or oral examination (approx. 25 minutes)					
	other prerequi				assessment: regular attendance of seminar (a max	kimum of 2 incid	lents of unexcused absence).			
06-B-W10-122-m01				· · · · · · · · · · · · · · · · · · ·						
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	_			(weekly contact hours) and course language availa	able)				
				oaper (approx. 12 pa						
	other prerequi				assessment: regular attendance of seminar (a max	kimum of 2 incid	lents of unexcused absence).			
06-B-W11-122-m01				r	1					
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		· ·		(weekly contact hours) and course language availa	able)				
				term paper (approx. 12 pages)						
	other prerequi			Admission prerequisite to assessment: regular attendance of seminar (a maximum of 2 incidents of unexcused absence).						
06-B-W12-122-m01										
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses				(weekly contact hours) and course language availa	able)				
				oaper (approx. 12 pa						
	other prerequi	sites	Admi	ssion prerequisite to	assessment: regular attendance of seminar (a max	kimum of 2 incid	lents of unexcused absence).			

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Application-oriente	ed Subject Phys	sics (40 EC	TS crea	dits)					
Application-oriente	ed Subject Phys	sics Comp	ulsory I	Electives 1: Basic	s (16 ECTS credits)				
11-ENNF1-062-m01	Introduction to	o Physics	Part 1 f	or students of Ph	ysics Related Minor				
	ECTS 7	Duration		1 semester	.	g numerical grade		Modul level	undergraduate
	Courses			`	. ,	ct hours) and course la	inguage ava	ailable)	
	Method of ass				oprox. 120 minutes)				
	Participants and cation of place	es				Q): 20 places. Places w	vill be alloc	ated by lot.	
11-ENNF2-062-m01					ysics Related Minor				
	ECTS 7	Duration		1 semester		g numerical grade		Modul level	undergraduate
	Courses					ct hours) and course la	inguage ava	ailable)	
	Method of ass				oprox. 120 minutes)				
	Participants and cation of place	es				Q): 20 places. Places w		-	
11-KP-092-m01				,		, Electricity, Magnetis		-	
	ECTS 16 Courses	Duration		2 semester		g numerical grade		Modul level	undergraduate at)): V (4 weekly contact hours) + Ü
	Method of ass	essment	Klassis + Ü (2 This m 1. Topi 120 2. Topi 120 3. Topi usu Assess 2. To qua highly sics 2) Studen To pas The gr	sche Physik 2 (Ele weekly contact h nodule has the fol ics covered in lec minutes). ics covered in lec minutes). ics covered in lec ally chosen) or we sment componen ssful completion alify for admission recommended to b. The topics discu- nts must register st his module, st ade achieved in a	ours), once a year (su llowing assessment c tures and exercises in tures and exercises in tures and exercises in ritten examination (ap t 3 will be offered in (of approx. 50% of pra- n to assessment comp o attend both courses ussed in these two co for assessment comp udents must first pas assessment compone	ptik) (Classical Physics mmer semester) omponents part 1 (Klassische Ph part 2 (Klassische Ph parts 1 and 2: oral ex oprox. 120 minutes). German; English if agre octice work each is a pr conent 3, students mu Klassische Physik 1 (C urses will be covered i onents 1 through 3 on s assessment compon	ysik 1 (Clas ysik 2 (Clas amination of rerequisite st pass ass Classical Ph in assessmo line (details nent 1 or 2 a better) and	sical Physics 1 ssical Physics 2 of one candida ith examiner(s) for admission sessment comp ysics 1) and Kl ent component s to be announ nd must then	to assessment components 1 and ponent 1 and/or 2. Students are assische Physik 2 (Classical Phy- t 3.
	other prerequi	isites	Bridge	e course Mathema	atische Rechenmetho	den der Physik (Mathe	ematical Me	thods of Physi	cs) for first-semester students.

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11-PNNF-062-m01	Physics Labo	ratory Cou	ırse for	students of Phys	sics F	s Rela	ated Mi	inor Su	ubjects	;													
	ECTS 3	Duratio	n	1 semester		Met	ethod of	gradiı	ng (n	ot) suc	ccess	sfully	com	oleted	N	lodul le	/el	ur	nderg	raduate	5		
	Courses		P (no	information on S	WS (6 (wee	ekly cor	ntact h	iours)	and co	ourse	e lang	guage	e availa	able)							
	Method of as	sessment	a) ora	a) oral test (approx. 15 minutes) during experiment and b) ungraded written examination (approx. 90 minutes)																			
	Participants a cation of place		Only	Only as part of pool of general key skills (ASQ): 15 places. Places will be allocated by lot.																			
11-P-PA-112-m01	Lab Course A																						
	ECTS 5	Duratio	n	1 semester		Met	ethod of	gradiı	ng (n	ot) suc	ccess	sfully	comp	oleted	N	lodul le	/el	ur	nderg	raduate	9		
	Method of as	sessment	week This r 1. Top 2. Lat (ex	viele aus Mechani ly contact hours) nodule has the fo pics covered in lec o course: a) Prepa am) is passed. b) prox. 30 minutes)	ollow cture aring,) Talk	wing res a Ig, pe	g assess and exer erformin	sment rcises: ng and	compo writte evalu	nents n exai	s mina the ex	tion (xperi	(appr ment	0X. 120 s will l	o mi be c	nutes) onsider	ed su		essful	ly com	oleted	if a Test	
			To pa retak Stude Stude Beisp	essful completion ss assessment co e element a) and/ ents must register ents must attend A viele aus Mechani ss this module, st	ompo /ore rfora Ausv ik, W	pone elem r ass swert Wärm	ent 2, st nent b). sessmer tung voi nelehre	nt com n Mes und E	s must poner sunge llektrik	pass ts 1 ai 1 und (Exar	both nd 2 Fehle nples	onlin onlin errecl s fron	nents le (de hnun n Meo	a) and tails to g (Mea chanic	d b). o be asur :s, Ti	Studer annoui ements nermod	ts wi iced) and /nam	ill be). Data nics	e offe a Ana and I	red one lysis) b Electric	e oppo oefore a	rtunity t	
	Referred to in	LPO I	§ 53 (§ 77 (1) 1. a) Physik Me 1) 1. c) Physik phy 1) 1. a) Physik "Gr 1) 1. d) Physik "ph	ysika rund	kaliso dlage	che Gru en der E	ındpra Experiı	ktika menta			re, Op	tik, d	er spe	ziel	len Rela	tivitä	ätstł	neorie	2			

11-P-NFB-122-m01	Basic P	ractical	Course B	(Minor Studie	es)								
	r	4	Duration	· · · · · · · · · · · · · · · · · · ·		Method of	fgrading (r	ot) success	ully complete	ed Modi	ul level	undergraduate	
	Courses	5		P (no informa	ation on SN	WS (weekly cor	ntact hours)	and course	language ava	ailable)			
	Method	of asse		am) is passed 30 minutes) t	d. Experim to test the	nents that were candidate's ur	e not succes inderstandin	sfully compl ig of the phy	eted can be r sics-related c	repeated o contents o	once. And of the mo	cessfully completed if d b) talk (with discuss dule component. Talk e to be successfully co	ion; approx. s that were
	Module: complet		essfully	11-P-PA									
	Addition	nal Info	rmation	Additional in	formation	on module du	ration: 1 to :	2 semesters.					
- 11-KM may neither - 11-STE may neithe - 11-TQM may neithe	r be com r be com er be con	bined w Ibined v nbined	vith 11-QAN with 11-ST with 11-TN	N nor with 11- nor with 11-EE A nor with 11-C	-FKP. D. QM.			ach. This me	ans that the f	following o	combina	tions are not permitte	d:
11-KM-092-m01			, -		-	Solid State Ph							
		16	Duration				f grading n	-			ul level	undergraduate	
	Courses	;		hours) + Ü (2 Kondensierte	e weekly co e Materie 2	ontact hours), c	once a year hysik 1) (Cor	(winter seme ndensed Ma	ester)			Nolecules)): V (4 week 4 weekly contact hour	
	Method	of asse		 Topics cover prox. 120 n Topics cover prox. 120 n Topics cover usually cher Assessment of Successful cor To qualify for highly recommindensed Matter Students musical To pass this results 	vered in lec minutes). vered in lec minutes). vered in lec osen) or w componen ompletion r admission mended to er 2). The t ist register module, st	ctures and exer ctures and exer vritten examina nt 3 will be offe of approx. 50% on to assessmen o attend both of topics discusse r for assessmen tudents must fi	ercises in par ercises in par ercises in par ercises in par ercises in germ ercises in Germ % of practice ent compone courses Kon sed in these int compone first pass as	rt 1 (Kondens rt 2 (Konden rts 1 and 2: c x. 120 minut nan; English e work each ent 3, studen densierte M two courses nts 1 througl sessment co	sierte Materie ral examinati es). if agreed upo is a prerequis ts must pass aterie 1 (Conc will be covere 1 3 online (de mponent 1 or	e 2 (Conde ion of one on with exa site for ad assessm densed Ma densed Ma ed in asse etails to be r 2 and mu	ensed Ma candida aminer(s mission ent comp atter 1) a essment e annour ust then	to assessment compo ponent 1 and/or 2. Stu nd Kondensierte Mate component 3.	ination (ap- ninutes, onents 1 and udents are erie 2 (Con- nponent 3.

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11-STE-092-m01	Statist	ical Me	chanics, Tl	hermodynamics and Ele	ectrodynamics		
	ECTS	16	Duration	2 semester	Method of grading numerical grade	Modul level	undergraduate
	Course	!S		weekly contact hours),	und Thermodynamik (Statistical Mechanics and once a year (winter semester) namik (Theoretical Electrodynamics): V (4 weekl r)		
	Metho	d of ass		 Topics covered in lea Thermodynamics)): v Topics covered in lea amination (approx. 1) Topics covered in least 	llowing assessment components ctures and exercises in part 1 (Statistische Mech written examination (approx. 120 minutes). ctures and exercises in part 2 (Theoretische Elek .20 minutes). ctures and exercises in parts 1 and 2: oral examin ritten examination (approx. 120 minutes).	trodynamik (Theoretic	al Electrodynamics)): written ex-
				Successful completion 2. Students are highly rec and Thermodynamics) courses will be covered Students must register To pass this module, so The grade achieved in the	at 3 will be offered in German; English if agreed u of approx. 50% of practice work each is a prerect commended to attend both courses Statistische and Theoretische Elektrodynamik (Theoretical El d in assessment component 3. for assessment components 1 through 3 online tudents must first pass assessment component assessment component 1 or 2 (whichever is bett wards the overall grade awarded for the module	quisite for admission t Mechanik und Thermo lectrodynamics). The t (details to be annound 1 or 2 and must then p er) and the grade achi	o assessment components 1 and odynamik (Statistical Mechanics opics discussed in these two ced). ass assessment component 3.
	other p	rerequi	isites	10-M1-PHY and 10-M2-	PHY or 10-M1-NST and 10-M2-NST		

11-TQM-092-m01	Theore	tical M	echanics a	ind Qi	uantum Mechani	ics						
	ECTS	16	Duratior	ı	2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		seme	ester) Itenmechanik (Q				ntact hours), once a year (winter nours), once a year (summer se-			
	Method of assessment			 This module has the following assessment components 1. Topics covered in lectures and exercises in part 1 (Theoretische Mechanik (Theoretical Mechanics)): written examination (approx. 120 minutes). 2. Topics covered in lectures and exercises in part 2 (Quantenmechanik (Quantum Mechanics)): written examination (approx. 120 minutes). 3. Topics covered in lectures and exercises in parts 1 and 2: oral examination of one candidate each (approx. 30 minutes, usually chosen) or written examination (approx. 120 minutes). Successful completion of approx. 50% of practice work each is a prerequisite for admission to assessment components 1 and 2. To qualify for admission to assessment component 3, students must pass assessment component 1 and/or 2. Students are highly recommended to attend both courses Theoretische Mechanik (Theoretical Mechanics) and Quantenmechanik (Quantum Mechanics). The topics discussed in these two courses will be covered in assessment component 3. Students must register for assessment components 1 through 3 online (details to be announced). To pass this module, students must first pass assessment component 1 or 2 and must then pass assessment component 3. will each count 50% towards the overall grade awarded for the module. 								
	other prerequisites			10-M1-PHY, 10-M2-PHY and 11-MPI-3 or 10-M1-NST, 10-M2-NST and MPI-3								
11-ED-092-m01	Theoretical Electrodynamics											
	ECTS	8	Duratior	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	s		V + Ü	(no information	on SWS (weekly contac	t hours) and course lang	uage available)	<u></u>			
	Method of as			Method of assessment written examination (approx. 120 minutes, for modules with specified) Assessment offered: When and how often assessment will nounced in due form under observance of Section 32 Subs 2009.						sessment will be offered	depends on the metho	od of assessment and will be an-
	other p	rerequi	isites	tive c on to the le sessi	details at the beg assessment. If s ecturer will put th ment in the curre	ginning of the course. Re students have obtained heir registration for asse	gistration for the course the qualification for adm ssment into effect. Stude	will be considered a de hission to assessment o ents who meet all prere	nform students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-			

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11-FKP-092-m01	Solid S	State Ph	ysics 1										
	ECTS	8	Duration	า	1 semester	Method of gradir	g numerical grade		Modul level	undergraduate			
	Course	es		V + Ü	(no information o	n SWS (weekly conta	ct hours) and course	e language av	ailable)				
	Metho	d of ass	essment	specil Asses	fied) sment offered: W ced in due form ui	hen and how often a	ssessment will be of	fered depend	ls on the metho	90 minutes; unless otherwise d of assessment and will be an- and examination regulations)			
	other p	orerequi		Certai tive d on to the le sessm	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								
11-TM-092-m01	Theore	etical Me	echanics										
	ECTS	8	Duration	ı	1 semester	Method of gradir	g numerical grade		Modul level	undergraduate			
	Course	es		V + Ü	(no information o	n SWS (weekly conta	ct hours) and course	e language av	ailable)				
			essment	specil Asses nounc 2009.	fied) sment offered: W ced in due form ui	hen and how often a nder observance of S	ssessment will be of ection 32 Subsection	fered depend n 3 ASPO (ger	ls on the metho neral academic	90 minutes; unless otherwise d of assessment and will be an- and examination regulations)			
	other prerequisites			tive d on to the le sessm	etails at the begir assessment. If stu cturer will put the nent in the curren	ning of the course. F udents have obtained ir registration for ass	egistration for the co d the qualification fo essment into effect.	ourse will be or admission t Students wh	considered a de to assessment o o meet all prere	form students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-			
11-QAM-092-m01	Quanta	a, Atoms	s, Molecu	les									
	ECTS	8	Duration	า	1 semester	Method of gradir	g numerical grade		Modul level	undergraduate			
	Course	es		Ü + Ü	(no information o	n SWS (weekly conta	ct hours) and course	e language av	vailable)				
	Method of assessment			specif Asses	fied) sment offered: W ced in due form ui	hen and how often a	ssessment will be of	fered depend	ls on the metho	90 minutes; unless otherwise d of assessment and will be an- and examination regulations)			
	other p	prerequi		Certai tive d on to the le sessm	n prerequisites m etails at the begir assessment. If stu cturer will put the nent in the curren	ning of the course. F udents have obtained ir registration for ass	egistration for the co d the qualification fo essment into effect. It semester. For asse	ourse will be or admission t Students wh	considered a de to assessment o o meet all prere	form students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-			
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11-QM-092-m01	Quantu	im Mec	hanics											
	ECTS	8	Duratio	า	1 semester	Method of gradi	ng numerical gra	de	Modul level	undergraduate				
	Course	S		V + Ü	(no information c	on SWS (weekly cont	act hours) and cou	ırse language av	ailable)					
	Methoo	l of ass	essment	speci	ified)					. 90 minutes; unless otherwise				
				noun 2009	ced in due form u	nder observance of S	Section 32 Subsec	tion 3 ASPO (ger	neral academic	d of assessment and will be an- and examination regulations)				
	other p	rerequi	sites	tive d on to the le sessr	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- ton to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.									
11-ST-092-m01	Statist	ical Me	chanics a	nd The	ermodynamics									
	ECTS	8	Duratio	า	1 semester	Method of gradi	ng numerical gra	de	Modul level	undergraduate				
	Course	s		V + Ü	(no information c	n SWS (weekly cont	act hours) and cou	ırse language av	ailable)					
	Method of assessment			specified) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be an- nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.										
	other p	rerequi	sites	tive d on to the le sessr	letails at the begin assessment. If st ecturer will put the ment in the curren	nning of the course. udents have obtaine ir registration for as	Registration for th d the qualificatior sessment into effe nt semester. For a	e course will be on for admission t ect. Students who	considered a de o assessment e o meet all prere	nform students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-				
11-KET-122-m01	Nuclea	r and El	ementary	Partic	cle Physics									
	ECTS	6	Duratio	1	1 semester	Method of gradi	ng numerical gra	de	Modul level	undergraduate				
	Course	S		V + Ü	(no information c	on SWS (weekly cont	act hours) and cou	ırse language av	ailable)					
	Method	d of ass	essment	writte	en examination (a	pprox. 120 minutes)								
	other p	rerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.										

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Application-orien	ted Subje	ct Busi	ness Man	ageme	ent and Economics	(40 ECTS credits)							
Application-orient	ted Subje	ct Busi	ness Man	ageme	ent and Economics	Compulsory Courses	(30 ECTS credits)						
12-IntUR-G-082-	Manag	Managerial Accounting											
m01	ECTS	ECTS 5 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method	d of ass	sessment	writte	written examination (approx. 60 minutes)								
	Participants and allo- cation of places			Number of places: 640. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.									
12-ExtUR-G-082-	Financi	ial Acco	ounting	l	•		•	, , , , , , , , , , , , , , , , ,					
m01	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	s	•	V + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment			written examination (approx. 60 minutes)									
	Participants and allo- cation of places			(Busi (Busi appli cants alread will b with t cants rentia	ness Managemen ness Information S cations exceed the irrespective of the dy achieved in the e allocated by lot. the same number who already have al consideration. P	t and Economics), Wirt Systems). The remaining e number of available ir subjects according respective degree sub Quota 2 (25% of place of subject semesters, e successfully complete laces on all courses of	schaftsmathematik (Ma og places will be alloca blaces, places will be a to the following quotas ject; among applicants s): number of subject blaces will be allocated ed at least one module	athematics for Econom ted to students of othe llocated in a standard cuota 1 (50% of plac s with the same numbe semesters of the respe l by lot. Quota 3 (25% of component of the resp nt with a restricted num	nts of Wirtschaftswissenschaft nics) and Wirtschaftsinformatik er subjects. Should the number of ised procedure among all appli- es): total number of ECTS credits er of ECTS credits achieved, places ctive applicant; among applicants of places): allocation by lot. Appli- pective module will be given prefe- nber of places will be allocated in me available.				

12-EBWL-G-082-	Introduction to Busines	s Administration					
m01	ECTS 5 Duratio	n 1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses	V + Ü (no information	on SWS (weekly contact hours) and course language	available)			
	Method of assessment	written examination (approx. 60 minutes)				
	Participants and allo- cation of places	Number of places: 640. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.					
12-EVWL-G-082-	Introduction to Econom	ics					
m01	ECTS 5 Duratio	n 1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses	V + Ü (no information	on SWS (weekly contact hours) and course language	available)			
	Method of assessment	written examination (approx. 60 minutes)				
	Participants and allo- cation of places	(Business Manageme (Business Information applications exceed t cants irrespective of t already achieved in th will be allocated by lo with the same numbe cants who already hav rential consideration.	o. No restrictions with regard to available places for E nt and Economics), Wirtschaftsmathematik (Mathema Systems). The remaining places will be allocated to he number of available places, places will be allocate heir subjects according to the following quotas: Quot he respective degree subject; among applicants with t. Quota 2 (25% of places): number of subject semes r of subject semesters, places will be allocated by lot ve successfully completed at least one module compo Places on all courses of the module component with A waiting list will be maintained and places re-allocate	atics for Economic students of other ed in a standardise a 1 (50% of places the same number ters of the respect . Quota 3 (25% of ponent of the respe a restricted numb	es) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- s): total number of ECTS credits of ECTS credits achieved, places ive applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in		

12-Mak1-G-082-	Macroe	economi	CS 1						
m01	ECTS	5	Duration		1 semester	Method of grading numerical grade		Modul level	undergraduate
	Course	s		V + Ü ((no information o	on SWS (weekly contact hours) and course lar	nguage ava	ailable)	
	Method	d of asse	essment	writter	n examination (a	pprox. 60 minutes)			
	Participants and allo- cation of places			Number of places: 640. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.					
12-Mik1-G-082-	Microe	conomi	CS 1						
m01	ECTS	5	Duration		1 semester	Method of grading numerical grade		Modul level	undergraduate
	Course	S		V + Ü ((no information o	on SWS (weekly contact hours) and course lar	nguage ava	ailable)	
	Method	hod of assessment written examination (approx. 60 minutes)							
	Participants and allo- cation of places			(Busin (Busin applic cants alread will be with th cants rential	ess Managemen ess Information ations exceed th irrespective of th y achieved in the e allocated by lot ne same number who already have consideration. F	b. No restrictions with regard to available place at and Economics), Wirtschaftsmathematik (M Systems). The remaining places will be allocate e number of available places, places will be a leir subjects according to the following quotate e respective degree subject; among applicant . Quota 2 (25% of places): number of subject of subject semesters, places will be allocate e successfully completed at least one module Places on all courses of the module compone waiting list will be maintained and places re-	Mathematic ated to stu allocated i s: Quota 1 ts with the semesters d by lot. Q e compone ent with a r	cs for Economic idents of other n a standardise (50% of places same number s of the respect uota 3 (25% of ent of the respe estricted numb	s) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli-): total number of ECTS credits of ECTS credits achieved, places ive applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in

Application-oriente	ed Subje	ct Busir	iess Man	agement and Economi	cs Compulsory Electives				
12-Mark-G-082-	Introdu	uction to	Market-	Driented Management	t				
m01	ECTS	5	Duration	n 1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Course	S		V + Ü (no information	on SWS (weekly contact hours) and course lar	nguage available)			
	Method	d of asse	essment	written examination (approx. 60 minutes)	·			
	Participants and allo- cation of places			Number of places: 405. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.					
12-BPL-G-082-m01	Supply	, Produc	tion and	Operations Managem	ent. An Introduction				
	ECTS	5	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Course	S		V + Ü (no information	on SWS (weekly contact hours) and course lar	nguage available)			
	Method of assessment			written examination (approx. 60 minutes)					
	Participants and allo- cation of places			(Business Manageme (Business Information applications exceed t cants irrespective of t already achieved in th will be allocated by lo with the same numbe cants who already ha rential consideration.	p5. No restrictions with regard to available place ent and Economics), Wirtschaftsmathematik (<i>M</i> in Systems). The remaining places will be allocate the number of available places, places will be a their subjects according to the following quotate their subjects according to the following applicant of the respective degree subject; among applicant of Quota 2 (25% of places): number of subject er of subject semesters, places will be allocated we successfully completed at least one module . Places on all courses of the module compone A waiting list will be maintained and places re-	Mathematics for Economic ated to students of other allocated in a standardise s: Quota 1 (50% of places ts with the same number semesters of the respect d by lot. Quota 3 (25% of e component of the respect ont with a restricted numb	cs) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- s): total number of ECTS credits of ECTS credits achieved, places tive applicant; among applicants places): allocation by lot. Appli- ective module will be given prefe- per of places will be allocated in		

12-I&F-G-082-m01	Investment and Fina	nce. An I	ntroduction				
	ECTS 5 Dur	ition	1 semester	Method of grading numerical grade		Modul level	undergraduate
	Courses	V + 1	Ü (no information o	on SWS (weekly contact hours) and course	e language av	ailable)	
	Method of assessm	ent writ	ten examination (a	pprox. 60 minutes)			
	Participants and all cation of places	(Bus (Bus app cant alre will with cant rent	Number of places: 405. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.				
12-Mak2-G-082-	Macroeconomics 2	·					
m01	ECTS 5 Dur	ition	1 semester	Method of grading numerical grade		Modul level	undergraduate
	Courses	V + 1	Ü (no information o	on SWS (weekly contact hours) and course	e language av	ailable)	
	Method of assessm			pprox. 60 minutes)			
	Participants and all cation of places	(Bus (Bus app cant alre will with cant rent	siness Managemen siness Information lications exceed th is irrespective of th ady achieved in th be allocated by lot the same number is who already hav ial consideration.	b. No restrictions with regard to available for and Economics), Wirtschaftsmathemati Systems). The remaining places will be a ne number of available places, places will heir subjects according to the following qu e respective degree subject; among appli c. Quota 2 (25% of places): number of sub of subject semesters, places will be alloc re successfully completed at least one mo Places on all courses of the module comp waiting list will be maintained and place	k (Mathemati llocated to stu be allocated uotas: Quota 1 cants with the ject semester cated by lot. Q odule compone	cs for Economic udents of other in a standardise (50% of places same number s of the respect Quota 3 (25% of ent of the respe restricted numb	es) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- s): total number of ECTS credits of ECTS credits achieved, places ive applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in

12-Mik2-G-082-	Microed	conomi	CS 2								
m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul lev	el undergraduate		
	Courses			V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	Method of assessment			n examination (ap	prox. 60 minutes)					
	Participants and allo- cation of places			Number of places: 405. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.							
12-WiPo-G-082-	Introdu	ction to	Economi	c Polic	y						
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul lev	el undergraduate		
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	Method of assessment			written examination (approx. 60 minutes)						
	Participants and allo- cation of places			(Busin (Busin applie cants alread will b with t cants rentia	ness Management ness Information S cations exceed the irrespective of the dy achieved in the e allocated by lot. he same number who already have I consideration. P	and Economics), Wirt Systems). The remaining enumber of available p eir subjects according respective degree sub Quota 2 (25% of place of subject semesters, p successfully complete	schaftsmathematik (N og places will be alloc places, places will be to the following quota ject; among applican (s): number of subject places will be allocate ed at least one modul the module compone	Mathematics for Econo ated to students of ot allocated in a standar as: Quota 1 (50% of pla ts with the same num t semesters of the resp ed by lot. Quota 3 (25% e component of the resp ent with a restricted nu	lents of Wirtschaftswissenschaft omics) and Wirtschaftsinformatik her subjects. Should the number of dised procedure among all appli- aces): total number of ECTS credits ber of ECTS credits achieved, places bective applicant; among applicants of places): allocation by lot. Appli- spective module will be given prefe- umber of places will be allocated in come available.		
Thesis (11 ECTS cr											
10-M-BAM-122-			natics (Ba		,		i	İ			
m01		11	Duratio		1 semester	Method of grading	numerical grade	Modul lev	el undergraduate		
	Courses			no courses assigned							
			essment	Langı	_	nt: German, English if a					
	Module comple		essfully	Where	e applicable, spec	ific modules/module o	components as specif	ied by supervisor.			

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Subject-specific K	ey Skills	(16 ECT	S credits)	
10-M-MCO-122-	Mathe	matics a	and Comp	uter
m01	ECTS	7	Duratio	n 2 semester Method of grading (not) successfully completed Modul level undergraduate
	Courses			 This module comprises 2 module components. Information on courses will be listed separately for each module component. 10-M-COM-1-122: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-PRG-1-122: P (no information on SWS (weekly contact hours) and course language available)
	Method of assess		essment	 Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component 10-M-COM-1-122: Computational Mathematics Computational Mathematics 4 ECTS, Method of grading: (not) successfully completed project in the form of programming exercises (type and expenditure of time to be specified by the lecturer at the beginning of the course) Language of assessment: German, English if agreed upon with the examiner
			 Other prerequisites: Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew. Assessment in module component 10-M-PRG-1-122: Programming course for students of Mathematics and other subjects 3 ECTS, Method of grading: (not) successfully completed project in the form of programming exercises (type and expenditure of time to be specified by the lecturer at the 	
			 project in the form of programming exercises (type and expenditure of time to be specified by the fecturer at the beginning of the course) Language of assessment: German, English if agreed upon with the examiner Other prerequisites: Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew. 	
	other p	orerequi	sites	By way of exception, additional prerequisites are listed in the section on assessments.

10-M-MDA-122-	Introduction into mathe	ematical thinking and working							
m01	ECTS 4 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate							
	Courses	 This module comprises 2 module components. Information on courses will be listed separately for each module component. 10-M-MDA-1-122: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-MDA-2-122: V + Ü (no information on SWS (weekly contact hours) and course language available) Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. 							
	Method of assessment								
		 Assessment in module component 10-M-MDA-1-122: Basic Notions and Methods of Mathematical Reasoning Basic Notions and Methods of Mathematical Reasoning 2 ECTS, Method of grading: (not) successfully completed project assignments (type and expenditure of time to be specified by the lecturer at the beginning of the course) Language of assessment: German, English if agreed upon with the examiner Other prerequisites: Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment anew. Assessment at a later date, students will have to obtain the qualification for admission to assessment anew. Assessment in module component 10-M-MDA-2-122: Reasoning and Writing in Mathematics Reasoning and Writing in Mathematics 2 ECTS, Method of grading: (not) successfully completed project assignments (type and expenditure of time to be specified by the lecturer at the beginning of the course) Language of assessment: German, English if agreed upon with the examiner Other prerequisites: Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment and writing in Mathematics a ECTS, Method of grading: (not) successfully completed project assignments (type and expenditure of time to be specified by the lecturer at the beginning of the course) Language of assessment: German, E							
	other prerequisites	assessment at a later date, students will have to obtain the qualification for admission to assessment anew. By way of exception, additional prerequisites are listed in the section on assessments.							
	Referred to in LPO I	§ 73 (1) 5. Mathematik Angewandte Mathematik							
10-M-SEM-122-	Seminar Mathematics								
m01	ECTS 5 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate							
	Courses	S (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment	talk (approx. 60 to 180 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other prerequisites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
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