

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: 2014 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-Mar-2014 (2014-4)

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	ECTS Durat			(in semesters)	Method of grading		Module level			
	Courses			To be spe	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	ssessn	nent								
	Only after su completion of	iccessf of	ūl	if applica	ble						
	Other prerequisites			if applica	if applicable						
	Participants and allocation of places		locati-	if applicable							
	Additional information		if applicable								
	Referred to in LPO I			if applicable (examination regulations for teaching-degree programmes)							

Compulsory Course	es (109 ECTS	credits)											
Compulsory Course	es Analysis (29 ECTS crea	lits)										
10-M-ANA-G-131-	Fundament	als Analysis											
m01	ECTS 8	Duratio	n	1 semester	Method of grading	(not) successfully co	mpleted	Modul level	undergraduate				
	Courses		V + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)									
	Method of a	assessment	writte Langı	written examination (approx. 90 to 180 minutes) and approx. 12 exercise sheets with approx. 4 exercises each Language of assessment: German, English if agreed upon with the examiner									
10-M-ANA-Ü-131-	Overview A	nalysis											
m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	undergraduate				
	Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course lan	iguage ava	ailable)					
	Method of a	ethod of assessment oral examination of one candidate each (approx. 30 minutes); assessment will have reference to the contents of modules 10- M-ANA-G and 10-M-ANA-Ü. Language of assessment: German, English if agreed upon with the examiner											
10-M-VAN-131-m01	Advanced A	Ivanced Analysis											
	ECTS 9	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	undergraduate				
	Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course lan	iguage ava	ailable)	- K				
	Method of a	assessment	written examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the course, 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					ng of the course, the written utes) or an oral examination in					
Compulsory Course	es Linear Alg	ebra (20 ECT	'S cred	its)									
10-M-LNA-G-131-	Fundament	als Linear Al	gebra										
m01	ECTS 8	Duratio	n	1 semester	Method of grading	(not) successfully co	mpleted	Modul level	undergraduate				
	Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course lan	iguage ava	ailable)					
	Method of assessment written examination (approx. 90 to 180 minutes) and approx. 12 exercise sheets with approx. 4 exercises each Language of assessment: German, English												
10-M-LNA-Ü-131-	Overview Linear Algebra												
m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	undergraduate				
	Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course lan	iguage ava	ailable)					
	Method of a	thod of assessment oral examination of one candidate each (approx. 30 minutes); assessment will have reference to the contents of modules 10- M-ANA-G and 10-M-ANA-Ü. Language of assessment: German, English					ce to the contents of modules 10-						

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Compulsory Course	es Applie	d Math	ematics (20 EC1	S credits)							
10-M-ANW-G-131-	Fundam	entals /	Applied N	Nather	natics							
m01	ECTS	8	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses			V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	of asse	essment	writte exam group Langu	written examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the course, 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							
10-M-ANW-Ü-131-	Overview	w Appli	ed Mathe	ematic	natics							
m01	ECTS 12 Dura		Duration	ı	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			oral e modu Langu	ral examination of one candidate each (approx. 30 minutes); assessment will have reference to the sub-field dealt with in nodule 10-M-ANW-G as well as an additional sub-field of applied mathematics as selected by the candidate anguage of assessment: German, English							
Compulsory Course	es Pure M	lathema	atics (20	20 ECTS credits)								
10-M-REI-G-131-	Fundam	entals I	Pure Mat	hemat	ics							
m01	ECTS	8	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses			V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Method of assessment			writte exam group Langu	written examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the course, 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							
10-M-REI-Ü-131-	Overview	w Pure	Mathema	atics	tics							
m01	ECTS	12	Duratio	า	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 asse	ssment	oral examination of one candidate each (approx. 30 minutes); assessment will have reference to the sub-field dealt with in module 10-M-REI-G as well as an additional sub-field of pure mathematics as selected by the candidate Language of assessment: German, English								
Compulsory Course	es Specia	lisatior	Mathem	natics ((20 ECTS credits)							
10-M-SPZ-G-131-	Fundam	entals /	Advanced	d Math	ematics							
m01	ECTS	8	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses				no information on s	SWS (weekly contact	hours) and course language av	/ailable)				
	Method of assessment			written examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the course, 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								

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10-M-SPZ-Ü-131-	Overview Adva	nced Mat	hemat	ics									
m01	ECTS 12	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	Method of asse	essment	oral e modu Langu	ral examination of one candidate each (approx. 30 minutes); assessment will have reference to the sub-field dealt with in nodule 10-M-SPZ-G as well as an additional sub-field of the specialisation mathematics as selected by the candidate anguage of assessment: German, English									
Compulsory Electiv	ectives (40 ECTS credits)												
Compulsory Electiv	es Mathematics (10 ECTS credits)												
10-M-EFM-131-m01	Introduction to	Stochas	tics Fir	nancial Mathematics	5								
	ECTS 9	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	Method of asse	essment	writte exami group Langu	Itten examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the course, the written amination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in oups (groups of 2, approx. 30 minutes) nguage of assessment: German, English									
10-M-ERG-131-m01	Selected Topic	s from Ma	athema	atics									
	ECTS 10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)	_					
	Method of assessment oral examination of one candidate each (approx. 30 minutes) Language of assessment: German, English												
10-M-GES-131-m01	01 Selected Topics from the History of Mathematics												
	ECTS 4	Duration	n	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate					
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	Method of asse	essment	projec Asses Langu	project assignment (approx. 60 to 120 minutes) Assessment offered: in the semester in which the course is offered and in the subsequent semester Language of assessment: German, English									
10-M-MSC-131-	Mathematical	Writing											
m01	ECTS 4	Duration	<u>1</u>	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate					
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	Method of assessment project assignment (approx. 60 to 120 minutes) Assessment offered: in the semester in which the course is offered and in the subsequent semester Language of assessment: German, English												
10-M-PRO-131-m01	Proseminar Ma	athematic	S		1								
	ECTS 4	Duration	n	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate					
	Courses		S (no	information on SWS	(weekly contact hou	rs) and course language ava	ilable)	_					
	Method of asse	essment	talk (a Asses Langu	approx. 60 to 120 mi sment offered: in the lage of assessment:	nutes) e semester in which German, English	the course is offered and in t	he subsequent se	emester					
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ECTS 4 Duration 1 semester Method of grading [not) success/ulty completed Modul level undergraduate Courses V + 0 (no information on SWS (weekly contact hours) and course language available) Assessment arman Earman Earma Earma Earman	10-M-SCH-131-m01	School Mather	matics fro	m a Hig	gher Perspective									
Courses V + 0 (no information on SWS (weekly contact hours) and course language available) 10-M-SE2-131-M01 Additional Seminar in Mattematics Assessment offered: in the semester in which the course is offered and in the subsequent semester Language of assessment is german, English 10-M-SE2-131-M01 Additional Seminar in Mattematics Method of assessment Method of assessment 10-M-SE2-131-M01 Additional Seminar in Mattematics Method of assessment Method of assessment Courses Courses Courses Method of assessment Method of assessment Courses Method of assessment Seminar in Mattematics Language of assessment Seminary Language Seminary Language Se		ECTS 4	Duration	1	1 semester	Method of grading	(not) successfully con	npleted Modul level	undergraduate					
Method of assessment project assignment (approx. 6o to 120 minutes) 10-M-SE2-131-m01 Additional Seminar in Mathematics ECTS 5 Duration 1 semester Method of grading (not) successfully completed Modul level undergraduate Courses 5 (no information on SWS (weekly contact hours) and course language available) Interpret of assessment Interpret of assessment Application-orient= Subject (ap CTS credits) Statessment: German, English Interpret of assessment Application-orient= Subject (ap CTS credits) Statessment: German, English Interpret of assessment Application-orient= Subject Biology (ap CTS credits) Statessment Interpret of assessment Orj-tA:IT-AF-141 The Plant Kingdom (AF) Interpret of no information on SWS (weekly contact hours) and course language available) Intergraduate Orj-tA:IT-AF-141 The Plant Kingdom (AF) Intergraduate Intergraduate Intergraduate Orj-tA:IT-AF-141 The Plant Kingdom (AF) Intergraduate Intergraduate Intergraduate Orj-tA:IT-AF-141+ The Plant Kingdom (AF) Intergraduate Intergraduate Intergraduate Interpret of assessement Written examination (approx. 6o		Courses												
Assessment offered: in which the course is offered and in the subsequent semester language of assessment. English 10-M-SE2:131-001 Additional Seminar in Mathematics ECTS 5 Duration 1s emester Method of assessment S (no information on SWS (weekly contact hours) and course language available) Modul level undergraduate Application-oriented Subject (ap ECTS credits) Students must here holdowing application-oriented subjects, each with the specified mandatory courses and/or mandatory electives: Biologie (Biology), Chemie (Chemistry), Geographie (Geographie), Informatik (Computer Science), Philosophie (Philosophy), Physik (Physics), Wirtschaftswissenschaft (Business Management and Economics). Application-oriented Subject Biology (ap ECTS credits) The Plant Kingdom (AF) 07-1A12PFAF-141-1 The Plant Kingdom (AF) The Plant Kingdom (AF) 07-1A17LPFAF-141-1 The Plant Kingdom (AF) Economics). 07-1A17LPFAF-141-1 Economics) Note (Information on SWS (weekly contact hours) and course language available) Method of assessment written examination (Approx. 6 o		Method of ass	essment	projec	ct assignment (appr	ox. 60 to 120 minute	s)							
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Courses S (no information on SWS (weekly contact hours) and course language available) Application-oriented Subject (40 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 (Biology), Geographie (Philosophie), Physik (Physics), Wirtschaftswissenschaft (Business Management and Economics). Application-oriented Subject Biology (40 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 (Philosophie), Physik (Physics), Wirtschaftswissenschaft (Business Management and Economics). Application-oriented Subject Biology (40 ECTS credits) Ory-1Ax2PF-AF-1a1* The Plant Kingdom (AF) m01 ECTS 5 ECTS 5 Duration Method of assessment written examination (approx. 6 o minutes) 07-1Ax1P-141* Evolution and the Animal Kingdom (AF) m01 ECTS 5 Duration ECTS 5 Duration 1 semester Method of assessment written examination (approx. 6 o minutes) 07-2A2PHVPF- Plant Physiology (AF) AF-141*m01 ECTS 4 Duration ECTS 4 Duration 1 semester Method of assessment written examination (approx. 6 o minutes) 07-2A2PHVFF-	10-10-22-131-1101				1 comostor	Mothod of grading	(not) successfully con	aploted Modul loval	undorgraduato					
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O7-2A2PHY- TI-AF-141-m01 Animal Physiology (AF) ECTS 4 Duration 1 semester Method of grading numerical grade Modul level undergraduate Courses V + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment written examination (approx. 60 minutes) 07-2A2GENV- AF-141-m01 Genetics, Neurobiology, Behaviour (AF) ECTS 5 Duration 1 semester Method of grading numerical grade Modul level undergraduate Courses V + Ü (no information on SWS (weekly contact hours) and course language available) undergraduate Image: Courses V + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment Written examination (approx. 60 to 90 minutes) Image: Course language available Image: Course language available		Method of ass	essment	writte	n examination (app	rox. 60 minutes)								
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AF-141-mo1 ECTS 5 Duration 1 semester Method of grading numerical grade Modul level undergraduate Courses V + Ü (no information on SWS (weekly contact hours) and course language available) Veekly contact hours) and course language available Veekly contact hours)	07-2A2GENV-	Genetics, Neur	robiology,	Behav	/iour (AF)									
CoursesV + Ü (no information on SWS (weekly contact hours) and course language available)Method of assessmentwritten examination (approx. 60 to 90 minutes)	AF-141-m01	ECTS 5	Duration	I	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
Method of assessment written examination (approx. 60 to 90 minutes)		Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course lang	guage available)	·					
		Method of ass	essment	writte	n examination (app	rox. 60 to 90 minutes	5)							

Bachelor's with 1 major Mathematics (2014) JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 82/105/-/-/H/2014 page 6 / 36			
	Bachelor's with 1 major Mathematics (2014)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 82 105 - - H 2014	page 6 / 36

07-M-BST-132-m01	01 Mathematical Biology and Biostatistics											
	ECTS 4	Duratio	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	writte	n examination (appr	rox. 60 minutes)							
07-3A3E-	Developm	ental Biology	of Plai	nts (AF)								
BIOPF-AF-141-mo1	ECTS 4	Duratio	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	writte	itten examination (approx. 60 minutes)								
07-3A30E-	Plant and Animal Ecology											
KO-132-m01	ECTS 6	Duratio	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	writte	n examination (appr	rox. 90 minutes)							
07-3A3GEM-	Genes, Mo	olecules, Tech	nologi	es								
T-132-m01	ECTS 6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (no	information on SWS	6 (weekly contact hou	rs) and course language availa	ble)					
	Method of	assessment	writte	written examination (approx. 90 minutes)								
07-3A3BC-141-m01	Basic Biod	hemistry (AF)										
	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)					
	Method of	assessment	writte	n examination (appr	rox. 60 minutes)							
07-4A4FAU-AF-141-	The Fauna	of Germany (AF)									
m01	ECTS 7	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + Ü	+ E (no information	on SWS (weekly cont	act hours) and course language	e available)					
	Method of	assessment	writte	n assessment with p	practical components	s (approx. 90 minutes)						
			Asses	sment offered: once	e a year, summer sen	nester						
	other prer	equisites	Admi	ssion prerequisite to	o assessment: regula	r attendance of field trips (mini	mum 80%).					

07-4S1N-	Neuro	biology 1										
V01-132-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Cours	es		Ü + S	J + S (no information on SWS (weekly contact hours) and course language available)							
	Metho	od of asse	ssment	a) writ each (sentat ding t asses	ten examination (a (approx. 30 minutes tion (approx. 20 to 3 o subject area but w sment prior to the c	pprox. 45 to 60 minutes) or b) log (approx. 1 s) or d) oral examination in groups of up to 3 30 minutes) or f) practical examination (on a will not exceed a maximum of 4 hours). Stud course.	to to 20 pages) or c) oral 3 candidates (approx. 20 average approx. 2 hours; lents will be informed ab	examination of one candidate minutes per candidate) or e) pre- time to complete varies accor- out the method and length of the				
	Partic catior	ipants an	d allo- 5	Numb follow dits. S Bache will be Bache of the ber of from t re will poner cessfu waitin prima ked ac studie the ma ding t to the lated a the sa (5%): achiev achiev achiev sudie the sa (5%):	er of places: 20. Sh s: Places will prima should the module b elor's degree subject allocated to studer places available in he other quota. Sho be a uniform regula at that are concerned ally completed at lea g list will be mainta rily be allocated acco cording to the num es or of all module c tik (Mathematics)) o their average grad ir total number of EC as the sum of these me ranking, places Places will be allocated yed in modules/mod yed, places will be allocated g applicants with the by lot. Should the places and the allocated acco	nould the number of applications exceed the arily be allocated to students of the Bachelor be used in other subjects, there will be two to the Bachelor's degree subject Biologis ents of the Bachelor's degree subject Biologis ets Computational Mathematics and Mathem ed subject Biology (as well as potentially to see one quota exceed the number of application bould there be, within one module component ation for the courses of one module component ation for the courses of one module component ation for the courses of one module component ation for the applicants' previous academine be of ECTS credits they have achieved and components in the subject of Biologie (Biolo at the time of application. This will be done de weighted according to the number of ECTS CTS credits achieved (quantitative ranking). e two rankings, and places will be allocated a swill be allocated according to the qualitative ated according to the following quotas: Quo dule components of the Faculty of Biology; a allocated by lot. Quota 2 (25% of places): nume and the subject of subject semesters, place module be used only in the Bachelor's degree ording to the selection process of group 1.	e number of available pla r's degree subject Biolog quotas: 95% of places wind 5% of places (a minim ie (Biology) with 60 ECTS natik (Mathematics), eac students of other 'import ons, the remaining places on the remaining places of the remaining places of the remaining places of the remaining of the remaining places of the remaining place	ces, places will be allocated as 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- 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- il 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; . Quota 3 (25% of places): allo- ogy) with 180 ECTS credits, pla-				

07-4S1N-	Integra	ative Bel	navioral B	iology	1							
VO2-132-m01	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	es		V + S	+ S (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of asse	essment	a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination 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) pre- sentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete varies accor- ding to subject area but will not exceed a maximum of 4 hours). Students will be informed about the method and length of the assessment prior to the course.								
	Particip	pants an of place	ıd allo- s	Numb 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 ber of from t re will poner cessfu the studie the sa (5%):	er of places: 20. Sh es: Places will prima should the module b elor's degree subject allocated to stude elor's degree subject application-oriente places available in he other quota. Sho be a uniform regula at that are concerne- ully completed at leas g list will be mainta rily be allocated acco cording to the num es or of all module c titk (Mathematics)) o their average grad ir total number of E0 as the sum of these me ranking, places Places will be allocated according to the sum of these me ranking, places Places will be allocated ag applicants with the by lot. Should the full be allocated according the sum of these	ould the number of applications exceed the number rily be allocated to students of the Bachelor's degr be used in other subjects, there will be two quotas: t Biologie (Biology) with 180 ECTS credits and 5% of nts of the Bachelor's degree subject Biologie (Biologits Computational Mathematics and Mathematik (<i>N</i> ed subject Biology (as well as potentially to student one quota exceed the number of applications, the build there be, within one module component, seven ation for the courses of one module component. In d will be allocated in a standardised procedure. In ast one other module component of the respective ined and places re-allocated as they become avail cording to the applicants' previous academic achie ber of ECTS credits they have achieved and their ar omponents in the subject of Biologie (Biology) (exc at the time of application. This will be done as follo le weighted according to the number of ECTS credits active and places will be allocated according will be allocated according to the qualitative ranking). The ap two rankings, and places will be allocated according will be allocated according to the following quotas: Quota 1 (50 dule components of the Faculty of Biology; among allocated by lot. Quota 2 (25% of places): number of e same number of subject semesters, places will b module be used only in the Bachelor's degree subj ording to the selection process of group 1.	er of available pla ee subject Biolog 95% of places w of places (a minin 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 ((ows: First, applica ts (qualitative ran plicants' positior ng to this third ran ng or otherwise b % of places): tot applicants with t f subject semest e allocated by lo ect Biologie (Biol	aces, places will be allocated as gie (Biology) with 180 ECTS cre- ill be allocated to students of the num of one participant in total) 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- applicants 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- 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; t. Quota 3 (25% of places): allo- logy) with 180 ECTS credits, pla-				

07-4S1N-	Functio	nal Mor	phology	of Arth	fArthropods							
V03-132-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language ava	ailable)				
	Metho	d of asse	essment	term p	rm paper (approx. 5 to 10 pages)							
	Particip	pants an of place	d allo- s	Numb follow dits. S Bache will be Bache of the ber of from t re will poner cessfu waitin prima ked a studie thema ding t to the lated the sa (5%): achiev achiev amon catior ces w	er of places: 20. Sho es: Places will primar should the module b elor's degree subject application-oriented places available in the other quota. Sho be a uniform regula to that are concerned ally completed at lea g list will be maintai rily be allocated acc coording to the numb es or of all module co atik (Mathematics)) a o their average grad ir total number of EC as the sum of these me ranking, places Places will be allocated yed in modules/moo yed, places will be a g applicants with the by lot. Should the r ill be allocated acco	build the number of a rily be allocated to st e used in other subject Biologie (Biology) we that sof the Bachelor's is Computational Ma d subject Biology (as one quota exceed th uld there be, within a tion for the courses d will be allocated in the time of the application ording to the application ording to the application of ECTS credits the part of ECTS credits the part of ECTS credits the part of ECTS the part of ECTS credits the part of E	pplications exceed the number udents of the Bachelor's degree ects, there will be two quotas: 9 ith 180 ECTS credits and 5% of p degree subject Biologie (Biolog thematics and Mathematik (Mat well as potentially to students of e number of applications, the re- one module component, several of one module component. In the a standardised procedure. In the component of the respective m llocated as they become availability ints' previous academic achieven by have achieved and their ave bject of Biologie (Biology) (exclu- tion. This will be done as follow g to the number of ECTS credits (quantitative ranking). The appl 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 s bject semesters, places will be in the Bachelor's degree subject n process of group 1.	of available pla e subject Biolog 5% of places w places (a minin y) with 60 ECTS thematics), eac of other 'impor emaining places l courses with a is case, places is procedure, a odule will be g ple. Selection p ements. For this rage grade of a uding Chemie ((//s: First, applica (qualitative rar icants' position g to this third ra g or otherwise b of places): tot pplicants with t subject semest allocated by lo ct Biologie (Biol	aces, 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- 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- 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-	Basics	in Light	- and Elec	tron-N	Nicroscopy							
Z1-132-m01	ECTS	5	Duratior	۱	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)				
	Method	d of asse	essment	writte	written examination (approx. 30 to 60 minutes)							
	Particip cation	pants an of place:	d allo- s	Numb follow dits. S Bache will be Bache of the ber of from t re will poner cessfu waitin prima ked ac studie thema ding t to the lated the sa (5%): achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev sudie the sa	er of places: 18. Sho ys: Places will primar should the module b elor's degree subject allocated to studer elor's degree subject application-oriented places available in the other quota. Sho be a uniform regula that are concerned ally completed at lea g list will be maintai rily be allocated acc ccording to the number of all module co atik (Mathematics)) a o their average grad ir total number of EC as the sum of these me ranking, places Places will be allocated ved in modules/moo ved, places will be a g applicants with the by lot. Should the r ill be allocated acco	build the number of a rily be allocated to st be used in other subject Biologie (Biology) we that sof the Bachelor's as Computational Ma d subject Biology (as one quota exceed th uld there be, within a tion for the courses d will be allocated in ast one other module ined and places re-a ording to the applicate ber of ECTS credits the pomponents in the sub at the time of applicate e weighted according two rankings, and pl will be allocated according two rankings, and pl will be allocated according to the dule components of the function of the same number of sup nodule be used only rding to the selection	pplications exceed the number udents of the Bachelor's degree ects, there will be two quotas: 9 ith 180 ECTS credits and 5% of p degree subject Biologie (Biolog thematics and Mathematik (Mai well as potentially to students) e number of applications, the re- one module component, several of one module component. In the a standardised procedure. In the component of the respective m llocated as they become availability ints' previous academic achieven by have achieved and their ave bject of Biologie (Biology) (exclu- tion. This will be done as follow g to the number of ECTS credits (quantitative ranking). The appl 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 s bject semesters, places will be in the Bachelor's degree subject n process of group 1.	of available pla e subject Biolog 5% of places w places (a minin y) with 60 ECTS thematics), eac of other 'impor emaining places l courses with a is case, places is procedure, a odule will be g ple. Selection p ements. For this rage grade of a uding Chemie ((ys: First, applica (qualitative rar icants' position g to this third ra g or otherwise b of places): tot pplicants with t subject semest allocated by lo ct Biologie (Biol	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- 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- ishing) 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-	Analys	is of Ch	romosom	mes									
Z2-132-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	95	_	V + Ü	- Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of ass	essment	writte	written examination (approx. 30 to 60 minutes)								
	Particip	pants ar of place	nd allo- s	Numb follow dits. S Bache will be of the ber of from t re will poner cessfu waitin prima ked a studie thema ding t to the lated the sa (5%): achiev achiev amon catior ces w	ber of places: 18. Sho ys: Places will prima Should the module be elor's degree subject application-orienter places available in the other quota. Sho be a uniform regulant that are concerned ally completed at lea ing list will be mainta rily be allocated acc ccording to the num es or of all module co atik (Mathematics)) to their average grad ir total number of EC as the sum of these ime ranking, places Places will be allocated ved in modules/mod ved, places will be a g applicants with the by lot. Should the r ill be allocated acco	build the number of a rily be allocated to st be used in other subject to be used in other subject to soft the Bachelor's to computational Ma d subject Biology (as one quota exceed the uld there be, within a st one quota exceed the uld there be, within a tion for the courses d will be allocated in ast one other module ined and places re-a ording to the applicate ber of ECTS credits the components in the su at the time of applicate two rankings, and pl will be allocated according to the dule components of to llocated by lot. Quot e same number of su module be used only rding to the selection	pplications exceed the number pplications exceed the number udents of the Bachelor's degree ects, there will be two quotas: 9 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 the a standardised procedure. In the component of the respective m llocated as they become availability previous academic achiever by have achieved and their ave bject of Biologie (Biology) (exclu- tion. This will be done as follow g to the number of ECTS credits (quantitative ranking). The appl aces will be allocated according ording to the qualitative ranking following quotas: Quota 1 (50% he Faculty of Biology; among ap a 2 (25% of places): number of s bject semesters, places will be in the Bachelor's degree subject n process of group 1.	of available pla e subject Biolog p5% of places w places (a minin y) with 60 ECTS thematics), eac of other 'import emaining places l courses with a nis case, places nis procedure, a nodule will be g ple. Selection p ements. For this trage grade of a uding Chemie ((vs: First, applica (qualitative ran licants' position g to this third ran g or otherwise b of places): tot pplicants with t subject semest allocated by loo ct Biologie (Biol	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- 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- 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-	Specia	cial Bioinformatics 1											
Z6-132-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	es		V + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	Method of assessment			log (approx. 10 to 20 pages)								
				Langu	age of assessment:	German or English							
	Partici cation	ipants an	d allo- s	Numb follow dits. S Bache will be Bache of the ber of from t re will poner cessfu waitin prima ked a studie thema ding t to the lated the sa (5%): achiev amon catior ces w	er of places: 20. She res: Places will primal Should the module be elor's degree subject e allocated to studen elor's degree subject application-oriente places available in he other quota. Sho be a uniform regula at that are concerned ally completed at lea g list will be mainta rily be allocated acco coording to the num es or of all module co atik (Mathematics)) o their average grad ir total number of EC as the sum of these me ranking, places Places will be allocated ved in modules/mod ved, places will be allocated according to the num so the sum of these me ranking, places Places will be allocated a applicants with the by lot. Should the r ill be allocated acco	ould the number of a rily be allocated to st be used in other subject Biologie (Biology) we not sof the Bachelor's ts Computational Ma d subject Biology (as one quota exceed the ould there be, within ation for the courses d will be allocated in ast one other module ined and places re-a cording to the applicate ber of ECTS credits the omponents in the su at the time of applicate e weighted according CTS credits achieved two rankings, and ple will be allocated according to the dule components of the dule components of the dule components of the dule components of sum module be used only riding to the selection	pplications exceed the number rudents of the Bachelor's degre ects, there will be two quotas: g vith 180 ECTS credits and 5% of degree subject Biologie (Biologie thematics and Mathematik (Ma well as potentially to students e number of applications, the ru- one module component, severa of 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 ants' previous academic achieve by have achieved and their avec biget of Biologie (Biology) (excl ation. 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 of other 'impor emaining place of other 'impor emaining place al courses with a his case, places nis procedure, a ble. Selection p ements. For this erage grade of a uding Chemie (f 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 allocated by lo ct Biologie (Bio	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) 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- so n 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- 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; t. Quota 3 (25% of places): allo- logy) with 180 ECTS credits, pla-				

07-4S1PS2-132-	Metho	ds in Pla	nt Ecophy	siolog	<u>sy</u>								
m01	ECTS	5	Duration	n 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)									
	Method	d of asse	essment	log (approx. 10 to 20 pages)									
	Particip	oants an of place	d allo- s	Numb follow dits. S Bache will be Bache of the ber of from t re will poner cessfu waitin prima ked ac studie thema ding t to the lated a the sa (5%): achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev achiev studie the sa	er of places: 15. Sho s: Places will primar should the module b elor's degree subject allocated to studer elor's degree subject application-oriented places available in the other quota. Sho be a uniform regula at that are concerned ally completed at lea g list will be maintai rily be allocated acc coording to the number of cor of all module co tikk (Mathematics)) a o their average grad ir total number of EC as the sum of these me ranking, places Places will be allocated yed, places will be allocated yed, places will be allocated yed, places will be allocated by lot. Should the r ll be allocated acco	build the number of a rily be allocated to st be used in other subj t Biologie (Biology) w nts of the Bachelor's ts Computational Ma d subject Biology (as one quota exceed th uld there be, within the first of the courses d will be allocated in ast one other module ined and places re-a ording to the applicate ber of ECTS credits the omponents in the su at the time of applicate two rankings, and pl will be allocated according to the allocated according to the dule components of t llocated by lot. Quot e same number of su module be used only rding to the selection	pplications exceed the number or udents of the Bachelor's degree ects, there will be two quotas: 9 with 180 ECTS credits and 5% of p degree subject Biologie (Biologie thematics and Mathematik (Mar well as potentially to students) e number of applications, the re- one module component, several of one module component. In the a standardised procedure. In the component of the respective m llocated as they become availability previous academic achieven by 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 appl 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 subject in the Bachelor's degree subject in the Bachelor's degree subject	of available pla e subject Biolog 95% of places w places (a minim y) with 60 ECTS thematics), eac of other 'import emaining places l courses with a nis case, places is procedure, a odule will be gi ole. Selection places rage grade of a uding Chemie ((vs: First, applica (qualitative ran icants' positior g to this third ran g or otherwise b of places): tota plicants with the subject semest allocated by lot ct Biologie (Biol	ces, 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 h 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 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- 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- ogy) with 180 ECTS credits, pla-				

07-4S1PS3-132-	Phar	maceutica	l Drugs in	Plant	S					
m01	ECTS	5 5	Duration		1 semester	Method of gradir	g numerical grade		Modul level	undergraduate
	Cour	ses		Ü + S	(no information on S	SWS (weekly conta	ct hours) and course	e language ava	ailable)	
	Meth	nod of asse	essment	a) wri	tten examination (a	pprox. 45 to 60 mi	nutes) or b) log (app	orox. 10 to 20 p	oages) or c) oral	examination of one candidate
				each	approx. 30 minutes) or d) oral examin	ation in groups of u	p to 3 candida	tes (approx. 20	minutes per candidate) or e) pre-
				senta	tion (approx. 20 to 3	30 minutes) or f) pi	actical examination	(on average a	pprox. 2 hours;	time to complete varies accor-
				asses	sment prior to the c	ourse.		. Students witt	be informed at	out the method and length of the
	Parti	cipants an	d allo-	Numb	er of places: 15. Sho	ould the number of	f applications excee	d the number	of available pla	ces, places will be allocated as
	catio	on of places	5	follow	rs: Places will prima	rily be allocated to	students of the Bac	chelor's degree	e subject Biolog	ie (Biology) with 180 ECTS cre-
				dits. S	should the module b	be used in other su	bjects, there will be	two quotas: 9	5% of places w	ill be allocated to students of the
				Bache	elor's degree subjec	t Biologie (Biology nts of the Bachelo) WITH 180 ECTS cred r's degree subject Bi	lits and 5% of	places (a minin w) with 60 FCTS	num of one participant in total)
				Bache	elor's degree subjec	ts Computational I	Mathematics and Ma	athematik (Ma	thematics), eac	th with 180 ECTS credits, as part
				of the	application-oriente	d subject Biology	(as well as potential	lly to students	of other 'impor	ting' subjects). Should the num-
				ber of	places available in	one quota exceed	the number of appli	ications, the re	emaining place	s will be allocated to applicants
				from t	he other quota. Sho	ould there be, with	in one module comp	ponent, severa	l courses with a	a restricted number of places, the-
				poner	it that are concerne	d will be allocated	in a standardised p	rocedure. In th	nis procedure. a	pplicants who already have suc-
				cessfi	ully completed at lea	ast one other mod	ule component of th	e respective m	nodule will be g	iven preferential consideration. A
				waitir	g list will be mainta	ined and places re	-allocated as they b	pecome availat	ble. Selection p	rocess group 1 (95%): Places will
				prima	rily be allocated acc	cording to the appl	icants' previous aca	demic achieve	ements. For this	purpose, applicants will be ran-
				studie	es or of all module c	omponents in the	subject of Biologie ((Biology) (excli	uding Chemie ((Chemistry), Physik (Physics), Ma-
				thema	atik (Mathematics))	at the time of appl	ication. This will be	done as follow	vs: First, applica	ants will be ranked, firstly, accor-
				ding t	o their average grad	le weighted accord	ing to the number o	of ECTS credits	(qualitative ran	king) and, secondly, according
				to the	ir total number of E	CTS credits achieve	ed (quantitative rank	king). The appl	licants' positior	n in a third ranking will be calcu-
				the sa	as the sum of these me ranking inlaces	will be allocated a	cording to the qual	litative ranking	g to this third ra g or otherwise h	w lot Selection process group 2
				(5%):	Places will be alloca	ated according to t	he following quotas	: Quota 1 (50%	6 of places): tot	al number of ECTS credits already
				achie	ved in modules/mo	dule components o	of the Faculty of Biol	logy; among ap	oplicants with t	he same number of ECTS credits
				achie	ved, places will be a	illocated by lot. Qu	iota 2 (25% of place	s): number of	subject semest	ers of the respective applicant;
				amon	g applicants with th	e same number of	subject semesters,	places will be	allocated by lo	t. Quota 3 (25% of places): allo-
				ces w	ill be allocated acco	ording to the select	ion process of group	p 1.		logy, with 100 LC13 treuits, pla-

07-S1-LP1-132-m01	Labora	tory Pra	ctical Co	urse l											
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate							
	Course	es		P (no	no information on SWS (weekly contact hours) and course language available)										
	Metho	d of ass	essment	a) wri	written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate										
				each	(approx. 30 minutes) or d) oral examination in groups of up to 3 candida	ates (approx. 20	minutes per candidate) or e) pre-							
				senta	tion (approx. 20 to 3	30 minutes) or f) practical examination (on average	approx. 2 hours;	time to complete varies accor-							
				dingt	to subject area but will not exceed a maximum of 4 nours). Students will be informed about the method and length of ssment prior to the course										
	other r	rerequi	sites	Pleas	see consult with academic advisory service in advance										
07-S1-Ex1-122-m01	Freurs	ion I		ricus											
	ECTS		Duratio	n	1 comostor	Method of grading numerical grade	Modullevel	undergraduate							
	Course	5	Duratio	E (no	information on SW/S	(wookly contact hours) and course language availa	blo								
	Motho	d of acc	occmont	2) wri	tton ovamination (a	(weekly contact nours) and course language available prove (r to	nagoc) or c) oral	avamination of one candidate							
	Metho	u 01 ass	essment	a) wii each	(annrox 30 minutes	(a) or d) oral examination in groups of up to 2 candid:	ates (annrox 20	minutes per candidate) or e) pre-							
	sentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to comple														
		ding to subject area but will not exceed a maximum of 4 hours). Students will be informed about the method and length of t													
	assessment prior to the course.														
	other p	orerequi	sites	Pleas	e consult with acade	emic advisory service in advance.									
07-S1-IP1-132-m01	Interdi	sciplina	ry Projec	tl	<u> </u>										
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate							
	Course	es		R (no	information on SWS	6 (weekly contact hours) and course language availa	ble)								
	Metho	d of ass	essment	a) wri) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate										
				each	ach (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) pre-										
				senta	tion (approx. 20 to 3	30 minutes) or f) practical examination (on average a	approx. 2 hours;	time to complete varies accor-							
				asses	sment prior to the c	ourse	t be mormed ab	out the method and length of the							
	other r	rerequi	sites	Pleas	e consult with acade	emic advisory service in advance									
07-5FP-122-m01	Extern	al Practi													
	FCTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate							
	Course	1 10	Duration	P (no	information on SWS	(weekly contact hours) and course language availa	ble)								
	Metho	d of acc	occmont	a) wri	tten examination (a	(weekly contact fields) and course tanguage available prove (a to 60 minutes) or b) log (approx 10 to 20	nages) or c) oral	examination of one candidate							
	Metho	u 01 a55	essment	each	(approx. 30 minutes	b) or d) oral examination in groups of up to 3 candida	ates (approx. 20	minutes per candidate) or e) pre-							
				senta	tion (approx. 20 to 3	30 minutes) or f) practical examination (on average a	approx. 2 hours;	time to complete varies accor-							
				ding t	o subject area but v	vill not exceed a maximum of 4 hours). Students wil	l be informed ab	out the method and length of the							
				asses	sment prior to the c	ourse.									
	other p	orerequi	sites	Pleas	e consult with acade	emic advisory service in advance.									

07-S2-EX2-132-	Excursio	irsion II										
m01	ECTS :	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			E (no i	(no information on SWS (weekly contact hours) and course language available)							
	Method	of asse	ssment	a) writ each (sentat ding te asses) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate ach (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) pre- entation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete varies accor- ling to subject area but will not exceed a maximum of 4 hours). Students will be informed about the method and length of the ssessment prior to the course.							
	other pre	erequisi	ites	Please	e consult with acade	emic advisory service	in advance.					
07-S2-IP2-132-m01	Interdise	ciplinar	y Project	: 11								
	ECTS :	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			R (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)	_			
	Method	of asse	ssment	a) writ each (sentat ding t asses	written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate ich (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) pre- intation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete varies accor- ng to subject area but will not exceed a maximum of 4 hours). Students will be informed about the method and length of the assessment prior to the course.							
	other pre	erequisi	ites	Please	e consult with acade	emic advisory service	in advance.		_			
07-S2-LP2-132-	Laborato	ory Prac	tical Cou	urse II				1				
1101	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)				
	Method	of asse	ssment	a) writ each (sental ding te asses	a) written examination (approx. 45 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination 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) pre- sentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete varies accor- ding to subject area but will not exceed a maximum of 4 hours). Students will be informed about the method and length of the assessment prior to the course.							
	other pre	erequisi	ites	Please	Please consult with academic advisory service in advance.							
Application-oriente	d Subject	t Chemi	istry (32	ECTS c	redits)							
Application-oriente	d Subject	t Chemi	istry Con	npulso	ry Courses (26 ECTS	credits)						
08-CM1-112-m01	Introduc	tion to	Inorgani	c Chen	nistry for Students o	of Mathematics and o	other Subjects					
	ECTS	6	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)	-			
	Method	ofasse	ssment	writte	n examination (appi	ox. 90 minutes)						
08-0C1-141-m01	Organic	Chemis	stry 1									
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	vailable)				
	Method	of asse	ssment	writte exami Langu	n examination (appı nation in groups (gr age of assessment:	ox. 90 to 180 minute oups of 2, approx. 30 German, English	es) or oral examination of one c o minutes)	andidate each ((approx. 20 to 30 minute	s) or oral		
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08-PC1-141-m01	Physical Cher	ical Chemistry 1: Principles of quantum mechanics and spectroscopy										
	ECTS 8	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + V	+ Ü + Ü (no informa	ation on SWS (weekly	contact hours) and course	e language available)					
	Method of ass	sessment	writte	n examination (ap	prox. 90 to 180 minut	es) or oral examination of	one candidate each ((approx. 20 to 30 minutes) or oral				
			exami	ination in groups (groups of 2, approx. 3	go minutes)						
11-EENE-072-m01	Introduction t	o Physics	for Stu	dents of Non-nhvs	c. German, English	hierts						
11-LI WI-072-1101	FCTS 7	Duration	<u>101 Jtu</u>	2 somestor	Method of grading		Modullevel	undergraduate				
		Duration	$V \pm V$	2 Semester	SWS (weekly contact	thours) and course langua	age available)	undergraduate				
	Method of ase	sessment	writte	witten examination (approx 120 minutes)								
	Participants a	nd allo-	Only a	as part of pool of g	eneral key skills (ASC): 10 places. Places will be	allocated by lot					
	cation of places											
Application-oriente	d Subject Chemisty Compulsory Electives (14 ECTS credits)											
08-0C2-141-m01	Organic Chem	nistry 2										
	ECTS 9	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + V ·	+ Ü (no informatioı	n on SWS (weekly cor	itact hours) and course lan	nguage available)					
	Method of assessment written examination (approx. 180 to 240 minutes)											
	Language of assessment: German, English											
08-PC3-141-m01	Physical and Theoretical Chemistry 3: Symmetry and Quantum Chemistry											
	ECTS 6	Duration	1 	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + V	+ U + U (no information	ation on SWS (weekly	contact hours) and course	e language available)					
	Method of ass	sessment	writte	n examination (ap	prox. 90 to 180 minut	es) or oral examination of	one candidate each ((approx. 20 to 30 minutes) or oral				
			Langu	lage of assessmen	t: German, English	jo minutes)						
08-TC-141-m01	Theoretical M	odels in C	hemist	ry								
	ECTS 3	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + Ü	(no information on	SWS (weekly contac	t hours) and course langua	age available)	•				
	Method of ass	sessment	writte	n examination (ap	prox. 90 to 180 minut	es) or oral examination of	one candidate each ((approx. 20 to 30 minutes) or oral				
			exami	ination in groups (groups of 2, approx.	go minutes)						
A				age of assessmen	t: German, English							
Application-oriente	ed Subject Geog	grapny (40		credits)	1 \ //11							
09-HG1SI-102-m01	Introduction t	the Geog	graphy	of Cities, Towns a	nd Villages	· · · ·						
	ECIS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + I (no information on	SwS (weekly contact	nours) and course langua	ge available)					
	Nethod of ass	sessment	writte	n examination (ap	prox. 45 minutes)							
	Referred to in	LPUT	8 47 (8 66 (1) 1. Geographie Hi 1) 1. Geographie H	umangeographie umangeographie							
			3 00 (

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09-HG1WI-102-	Introduction to	oduction to Economic Geography										
m01	ECTS 5	Duratio	n 1 semest	r	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + T (no inform	tion or	n SWS (weekly contact	hours) and course la	nguage available)					
	Method of ass	essment	written examination (approx. 45 minutes)									
	Referred to in L	PO I	§ 47 (1) 1. Geographie Humangeographie									
			§ 66 (1) 1. Geog	aphie H	lumangeographie							
09-HG1SO-102-	Introduction to	o Social a	J Population Geography									
11101	ECTS 5	Duratio	n 1 semest	r	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		/ + T (no information on SWS (weekly contact hours) and course language available)									
	Method of ass	essment	written examina	ion (ap	oprox. 45 minutes)							
	Referred to in L	-PO I	§ 47 (1) 1. Geographie Humangeographie § 66 (1) 1. Geographie Humangeographie									
09-PG1ExD-102-	General Physic	al Geogr	aphy 1 (Earth Sys	tem: Ex	kogeneous Dynamics - (Geomorphology)						
m01	ECTS 5	Duratio	n 1 semest	r	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + T (no inform	tion or	n SWS (weekly contact	hours) and course la	nguage available)					
	Method of ass	essment	written examina	ion (ap	oprox. 45 minutes)							
	Referred to in L	PO I	§ 47 (1) 1. Geogr	iphie P	hysiogeographie							
			§ 66 (1) 1. Geog	aphie P	Physiogeographie							
09-PG1KS-102-	General Physic	cal Geogr	Aphy 2 (Earth System: Climate System)									
m01	ECTS 5	Duratio	n 1 semest	r	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	-	V + T (no inform	tion or	n SWS (weekly contact	hours) and course la	nguage available)					
	Method of ass	essment	written examination (approx. 45 minutes)									
	Referred to in L	PO I	§ 47 (1) 1. Geographie Physiogeographie									
		10	<u>9 66 (1) 1. Geog</u>		nysiogeographie							
09-PG1En-	General Physic	al Geogr	apny 3 (Earth Sys	tem: Er	ndogenic Dynamics)		AA = shull have a	Lundenessed under				
D 102 m01	ECIS 5	Duratio	1 1 semest	r	Method of grading	numerical grade	Modul level	undergraduate				
	Courses				1 SWS (Weekly contact	nours) and course la	nguage available)					
	Method of ass	essment	written examina	<u>ion (ap</u>	prox. 45 minutes)							
	Referred to in L	_PO I	§ 47 (1) 1. Geographie Physiogeographie § 66 (1) 1. Geographie Physiogeographie									
09-FERN1-102-m01	Remote Sensir	ng 1										
	ECTS 5	Duratio	n 1 semest	r	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + T (no inform	tion or	n SWS (weekly contact	hours) and course la	nguage available)					
	Method of ass	essment	written examina	ion (ap	oprox. 45 minutes)							
	Referred to in L	PO I	§ 66 (1) 2. Geog	aphie N	Methoden der Geograpl	hie						

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09-FERN2-102-m01	Remote Sensing 2									
	ECTS 5 Duration		1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V + T (/ + T (no information on SWS (weekly contact hours) and course language available)						
	Method of asse	essment	writte	n examination (app	rox. 45 minutes)					
Application-oriente	ted Subject Computer Science (40 ECTS credits)									
10-I-ADSV-141-m01	Algorithm and	Algorithm and data structures								
	ECTS 5	Duratior	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V (no	information on SWS	6 (weekly contact hours) and course language availa	ble)				
	Method of asse	essment	writte exami group	vritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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)						
10-I-ADST-141-m01	Tutorial Algorit	hm and c	lata st	ructures						
	ECTS 5	Duratior	ı	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Courses		Ü (no	information on SWS	5 (weekly contact hours) and course language availa	ble)				
	Method of asse	essment	a) con b) wri	npletion of approx. tten examination (a	11 exercise sheets with approx. 4 exercises per shee pprox. 180 to 240 minutes). Method of assessment	t (50% of exerc to be selected b	ises to be completed correctly) or by the candidate.			
10-I-AGT-141-m01	Algorithmic Gra	aph Theo	ry							
	ECTS 5	Duratior	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact hours) and course language av	ailable)				
	Method of asse	essment	writte exami group Langu	tten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written amination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in oups (groups of 2, approx. 30 minutes) nguage of assessment: German, English						
10-l-3D-141-m01	3D Point Cloud	Processi	ng							
	ECTS 5	Duratior	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact hours) and course language av	ailable)				
	Method of asse	essment	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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							
10-I-DB-141-m01	Data Bases									
	ECTS 5	Duratior	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact hours) and course language av	ailable)				
	Method of asse	essment	writte exami group Langu	n examination (app nation can be repla s (groups of 2, appr age of assessment:	imination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written on can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in oups of 2, approx. 30 minutes) of assessment: German, English					

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10-I-IÜV-141-m01	Information Tr	ansmissio	on					
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (no	information on SWS	δ (weekly contact hoι	urs) and course language availa	ble)	
	Method of ass	essment	writte	n examination (app	rox. 60 to 120 minute	es); if announced by the lecture	r at the beginni	ng of the course, the written
			exam	ination can be repla	iced by an oral exami	ination of one candidate each (a	approx. 20 minu	utes) or an oral examination in
10-1-1ÜT-141-m01	Tutorial Inform	nation Tra	nsmis	sion	ox. 30 minutes)			
10-1-101-141-11101		Duration		1 comoctor	Mothod of grading	(not) successfully completed	Modulloval	undorgraduato
		Duration	lü (no	information on SWG	wookly contact ho	(not) successfully completed	hlo)	undergraduate
	Mothod of acc	ocemont		mplotion of approx	11 ovorcico choots wi	th approx 4 oversises per shee	t (ro% of oxorci	isas to be completed correctly) or
	Method of ass		b) wri	tten examination (a	pprox. 180 to 240 mi	nutes). Method of assessment	to be selected b	by the candidate.
10-I-KT-141-m01	Computationa	l Complex	ity					
	ECTS 5	Duration	<u>n</u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü	(no information on s	SWS (weekly contact	hours) and course language av	ailable)	
	Method of assessment w gr La			written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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				
10-I-LOG-141-m01	Logic for inform	matics						
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü	(no information on s	SWS (weekly contact	hours) and course language av	ailable)	
	Method of ass	essment	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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)					
10-I-00P-141-m01	Object oriente	d Progran	nming					
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü	(no information on s	SWS (weekly contact	hours) and course language av	ailable)	
	Method of assessment wr ex gru La			written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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				
10-I-PP-141-m01	Practical Cours	se in Prog	rammi	ng				
	ECTS 10	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		P (no	information on SWS	δ (weekly contact hou	irs) and course language availa	ble)	
	Method of ass	essment	comp by the te eac	letion of programmi e lecturer at the beg ch (approx. 20 minu	ng exercises (approx inning of the course, tes) or an oral exami	x. 240 hours) and written examination can be written examination can be nation in groups (groups of 2, a	nation (approx. replaced by an pprox. 30 minut	60 to 120 minutes). If announced oral examination of one candida-tes).
	Additional Info	ormation	Addit	ional information or	n module duration: 1	to 2 semesters.		

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10-I-RAK-141-m01	Computer Arcl								
	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		writte exami group Langu	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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					
10-I-RALV-141-m01	Digital compu	ter systen	ns	_	_				
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses	-	V (no	information on SW	S (weekly contact hou	rs) and course language availa	ble)		
	Method of ass	essment	writte exami group	n examination (app ination can be repla s (groups of 2, app	prox. 60 to 120 minute aced by an oral exami rrox. 30 minutes)	rs); if announced by the lecture nation of one candidate each (a	r at the beginni approx. 20 mini	ng of the course, the written utes) or an oral examination in	
10-I-RALT-141-m01	Tutorial Digita	l compute	er syste	ems					
	ECTS 5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses		Ü (no	I (no information on SWS (weekly contact hours) and course language available)					
	Method of ass	essment	a) cor b) wri	npletion of approx. tten examination (a	11 exercise sheets wi approx. 180 to 240 mi	th approx. 4 exercises per shee nutes). Method of assessment	t (50% of exerc to be selected b	ises to be completed correctly) or by the candidate.	
10-I-RK-141-m01	Computer Net	works							
	ECTS 8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of ass	essment	writte exami group Langu	n examination (app ination can be repla s (groups of 2, app age of assessment	orox. 60 to 120 minute aced by an oral exami rrox. 30 minutes) t: German, English	s); if announced by the lecture nation of one candidate each (a	r at the beginni approx. 20 mini	ng of the course, the written utes) or an oral examination in	
10-I-STV-141-m01	Software Tech	nology							
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (no	information on SW	S (weekly contact hou	rs) and course language availa	ble)		
	Method of assessment		writte exami group	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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)					
10-I-STT-141-m01	Tutorial Softw	are Techn	ology						
	ECTS 5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses		Ü (no	information on SW	S (weekly contact hou	rs) and course language availa	ble)		
	Method of assessment		a) cor b) wri	npletion of approx. tten examination (a	11 exercise sheets wi approx. 180 to 240 mi	th approx. 4 exercises per shee nutes). Method of assessment	t (50% of exerc to be selected b	ises to be completed correctly) or by the candidate.	

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10-I-SWP-141-m01	Practical course in software								
	ECTS 10	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses	<u>l</u>	P (no	information on SW	S (weekly contact hou	y contact hours) and course language available)			
	Method of ass	essment	comp	letion of a larger so	oftware project in grou	ps (approx. 300 hours per per	son) and final p	resentation (approx. 10 minutes	
			per gr	per group)					
	Modules succ completed	essfully	10-I-P	.0-I-PP,10-I-STV					
	other prerequi	isites	The le	he learning outcomes of modules 10-I-ADSV, 10-I-ADST, 10-I-SST are required. Prior completion of these modules is highly re- ommended.					
10-I-TIV-141-m01	Theoretical In	formatics							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (no	information on SW	S (weekly contact hou	irs) and course language avail	able)		
	Method of ass	sessment	writte exam group	vritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, 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)					
10-I-TIT-141-m01	Tutorial Theoretical Informatics								
	ECTS 5 Duration		n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses		Ü (no	information on SW	'S (weekly contact hou	ırs) and course language avail	able)		
	Method of ass	sessment	a) cor b) wri	a) completion of approx. 11 exercise sheets with approx. 4 exercises per sheet (50% of exercises to be completed correctly) or b) written examination (approx. 180 to 240 minutes). Method of assessment to be selected by the candidate.					
Application-oriente	ed Subject Philo	osophy (4	o ECTS	credits)					
Application-oriente	ed Subject Philo	osophy Co	ompuls	ory Courses (15 EC	TS credits)				
06-B-P1G-141-m01	Principles of F	Philosoph	y: histo	orical epochs, main	works, authors				
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V + S	V + S (no information on SWS (weekly contact hours) and course language available)					
	Method of ass	sessment	oral e	oral examination (approx. 25 minutes)					
06-B-P2G1-141-	Philosophical	principle	s of art	s and humanities					
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V + S	(no information on	SWS (weekly contact	hours) and course language a	vailable)		
	Method of ass	sessment	writte	n examination (app	prox. 90 minutes)				
	Participants and allo- cation of places		Only a ject s	Only as part of pool of general key skills (ASQ): maximum 20 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot.					

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06-B-P2G2-141-	Philosophical principles of natural sciences and technology								
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V + S	V + S (no information on SWS (weekly contact hours) and course language available)					
	Method of ass	essment	writte	written examination (approx. 90 minutes)					
	Participants ar cation of place	nd allo- es	Only a ject se	as part of pool of generations and the second se	neral key skills (ASQ): maximum 20 places. F oplicants with the same number of subject se	Places will be allocated emesters, places will b	l according to the number of sub- e allocated by lot.		
Application-oriente	ed Subject Philo	sophy Co	mpuls	ory Electives (15 EC	TS credits)				
06-B-P3-141-m01	Theoretical Ph	ilosophy							
	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses	-	V + S	+ S (no information	on SWS (weekly contact hours) and course la	anguage available)			
	Method of ass	essment	oral e	xamination (approx	. 25 minutes) in one of the seminars (semina	ar to be selected by stu	dents)		
06-B-P4-141-m01	Practical Philo	sophy							
	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V + S	+ S (no information	on SWS (weekly contact hours) and course la	anguage available)			
	Method of ass	essment	writte	written examination (approx. 90 minutes) in one of the seminars (seminar to be selected by students)					
06-B-P5-141-m01	History of Phil	osophy							
	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses V+		V + S	+ S (no information	on SWS (weekly contact hours) and course la	anguage available)			
	Method of ass	essment	writte	n examination (app	rox. 90 minutes) in one of the seminars (sem	ninar to be selected by	students)		
06-B-P6-141-m01	Issues of resea	arch in ph	ilosop	hy					
	ECTS 10 Duration		n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V + S -	+ S (no information	on SWS (weekly contact hours) and course la	anguage available)			
	Method of assessment oral examination (approx. 25 minutes) in one of the seminars (seminar to be selected by students)						dents)		
06-B-W1-141-m01	Text Analysis: Ancient Philosophy								
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		S (no	information on SWS	6 (weekly contact hours) and course language	e available)			
	Method of ass	essment	writte	n examination (app	rox. 90 minutes) or term paper (approx. 12 pa	ages)			
06-B-W2-141-m01	Text Analysis:	Medieval	Philos	ophy		<u>.</u>			
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		S (no	information on SWS	6 (weekly contact hours) and course language	e available)			
	Method of ass	essment	writte	n examination (app	rox. 90 minutes) or term paper (approx. 12 pa	ages)			
06-B-W3-141-m01	Text Analysis:	Modern F	Philoso	phy					
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		S (no	information on SWS	6 (weekly contact hours) and course language	e available)			
	Method of ass	essment	writte	n examination (app	rox. 90 minutes)				

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06-B-W4-141-m01	Text Analysis:	Contempora	ary Philosophy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	(weekly contact hou	irs) and course language ava	ilable)			
	Method of assessment written examination (approx. 90 minutes)								
06-B-W5-141-m01	Basic disciplines of theoretical philosophy								
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages) or oral examina	tion (approx. 25 minutes)				
06-B-W6-141-m01	Specific discip	lines of theo	oretical philosophy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages) or oral examina	tion (approx. 25 minutes)				
06-B-W7-141-m01	Basic disciplin	es of practio	cal philosophy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages) or oral examina	tion (approx. 25 minutes)				
06-B-W8-141-m01	Specific discip	lines of prac	ctical philosophy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages) or oral examina	tion (approx. 25 minutes)				
06-B-W9-141-m01	Problems of O	lder Philoso	phy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages)					
06-B-W10-141-m01	Problems of M	odern Philos	sophy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages)					
06-B-W11-141-m01	Problems of Th	neoretical Ph	nilosophy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages)					
06-B-W12-141-m01	Problems of Pr	ractical Philo	osophy						
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S	(no information on SWS	6 (weekly contact hou	irs) and course language ava	ilable)			
	Method of ass	essment te	erm paper (approx. 12 pa	ages)					
Bachelor's with 1 major N	Nathematics (2014)				JMU Würzburg • generated 26-Aug	g-2024 • exam. reg. data	record 82 105 - - H 2014	page 26 / 36	

Application-oriented Subject Physics (33 ECTS credits)										
Application-oriented Subject Physics Compulsory Courses: Basics (14 ECTS credits)										
11-ENNF1-062-m01	Introdu	Introduction to Physics Part 1 for students of Physics Related Minor Subjects								
	ECTS	7	Duration	n	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)		
	Method	d of asse	essment	writte	n examination (ap	prox. 120 minutes)				
	Particip cation	oants an of place	d allo- s	Only a	as part of pool of g	eneral key skills (ASQ)	: 20 places. Places will be allo	ocated by lot.		
11-ENNF2-062-m01	101 Introduction to Physics Part 2 for students of Physics Related Minor Subjects									
	ECTS	7	Duration	n	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)		
	Method	d of asse	essment	written examination (approx. 120 minutes)						
	Particip cation	oants an of place:	d allo- s	Only a	as part of pool of g	eneral key skills (ASQ)	: 20 places. Places will be allo	ocated by lot.		
Application-oriente	ed Subje	ct Physi	cs Comp	ulsory	Electives 1: Lab Co	ourse (9 ECTS credits)				
11-PNNF-062-m01	Physic	s Labora	tory Cou	rse for	students of Physi	cs Related Minor Subj	ects			
	ECTS	3	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses P (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment a) oral test (approx. 15 minutes) during experiment and b) ungraded written examination (approx. 90 minutes)									
	Particip cation	oants an of place	d allo- s	Only a	as part of pool of g	eneral key skills (ASQ)	: 15 places. Places will be allo	cated by lot.		

11-P-PA-092-m01	Practical Course A									
	ECTS 5	Duratio	1	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate		
	Courses	_	Auswe	uswertung von Messungen und Fehlerrechnung (Measurements and Data Analysis): V (1 weekly contact hour) + Ü (1 weekly						
			conta	ct hour), once a ye	ear (winter semester)	tuil. (Europealor france Marchae	:	nice and Flootnicity DAM) D(c		
			weekl	ekly contact hours)						
	Method of ass	essment	This m	odule has the fol	lowing assessment co	nponents				
			1. Top	ics covered in lect	ures and exercises: w	ritten examination (approx. 1	20 minutes)			
			2. Lab (exa (ap	course: a) Prepar am) is passed. b) ⁻ prox. 30 minutes).	ing, performing and ev Falk (with discussion) †	aluating the experiments wil to test the students' understa	l be considered s anding of the phy	uccessfully completed if a Testat sics-related contents of the course		
			Succe To pas retake	uccessful completion of approx. 50% of practice work is a prerequisite for admission to assessment component 1. o pass assessment component 2, students must pass both elements a) and b). Students will be offered one opportunity to						
			Stude Stude Beispi To pag	nts must register I nts must attend A iele aus Mechanik ss this module, sti	for assessment compo uswertung von Messu , Wärmelehre und Elek udents must pass both	nents 1 and 2 online (details ngen und Fehlerrechnung (Mo strik (Examples from Mechan assessment component 1 a	to be announced easurements and ics, Thermodynar nd assessment co). Data Analysis) before attending nics and Electricity). omponent 2.		
	Referred to in L	POI	§ 53 (1	ι) 1. a) Physik Mec	hanik, Wärmelehre, El	ektrizitätslehre, Optik, der sp	oeziellen Relativit	ätstheorie		
			§ 53 (1	ı) 1. c) Physik phys	sikalische Grundprakti	ka				
			§ 77 (1	1) 1. d) Physik "phy	/sikalische Praktika"					
11-P-NFB-122-m01	Basic Practical	Course E	B (Mino	r Studies)						
	ECTS 4	Duration	1	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate		
	Courses		P (no	information on SW	/S (weekly contact hou	rs) and course language ava	ilable)			
	Method of asse	essment	a) Pre am) is 30 mii not su	paring, performing passed. Experime nutes) to test the ccessfully comple	g and evaluating (lab ro ents that were not succ candidate's understan eted can be repeated o	eport) the experiments will be cessfully completed can be re ding of the physics-related co nce. Both components of the	e considered succ epeated once. An ontents of the mo e assessment hav	cessfully completed if a Testat (ex- d b) talk (with discussion; approx. dule component. Talks that were e to be successfully completed.		
	Modules succe completed	essfully	11-P-P	A						
	Additional Info	rmation	Additi	onal information o	on module duration: 1	to 2 semesters.				
Application-oriente Out of several mod - 11-KM may neither	ed Subject Phys ule components be combined w	ics Comp covering vith 11-QA	the sa	Electives 2 (24 EC me contents, stud with 11-FKP. th 11-FD	TS credits) lents may only use one	e each. This means that the fo	ollowing combina	tions are not permitted:		
- 11-TQM may neith	er be combined	with 11-T	M nor v	vith 11-QM.						
11-ED-141-m01	Theoretical Ele	ectrodyna	mics							
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information or	n SWS (weekly contact	hours) and course language	available)			
	Method of ass	essment	writte	n examination (ap	prox. 120 minutes)					
Bachelor's with 1 major N	Aathematics (2014)					JMU Würzburg • generated 26-Aug	g-2024 • exam. reg. data	record 82 105 - - H 2014 page 28 / 36		

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11-FKP-141-m01	Solid State	Physics 1								
	ECTS 8	Duratio	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 a	ssessment	writte	ritten examination (approx. 120 minutes)						
11-QAM-141-m01	Quanta, Ato	ms, Molecu	les							
	ECTS 8	Duratio	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 a	ssessment	writte	n examination (app	rox. 120 minutes)					
11-QM-141-m01	Quantum M	echanics								
	ECTS 8	6 8 Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses V ·		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method of a	ssessment	writte	written examination (approx. 120 minutes)						
11-ST-141-m01	Statistical M	Aechanics a	nd The	rmodynamics						
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of a	ssessment	writte	written examination (approx. 120 minutes)						
11-TM-141-m01	Theoretical	Mechanics								
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method of a	ssessment	writte	n examination (app	rox. 120 minutes)					

Application-oriente	plication-oriented Subject Business Management and Economics (40 ECTS credits)										
Application-oriente	plication-oriented Subject Business Management and Economics Compulsory Courses (30 ECTS credits)										
12-EBWL-G-132-	Introductio	n to Busine	ss Admi	Administration							
m01	ECTS 5	Duratio	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	writte	written examination (approx. 60 minutes)							
12-EVWL-G-132-	Participant cation of pl	s and allo- laces	Numb (Busin (BSC v Bache remai availa cordir gree s of pla meste ly con cours will bo	Number of places: 840. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) as well as Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS credits). 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 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-132-	Introductio	n to Econon	lics								
mor	ECIS 5	Duratio	n Iv. ü	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Mothod of	accoccmont	V + U	v + U (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment Participants and allo- cation of places		Numb (Busin (BSc v Bache remai availa cordir gree s of pla meste ly con cours will b	V + Ü (no information on SWS (weekly contact hours) and course language available) written examination (approx. 60 minutes) Number of places: 840. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsmathematik (Mathematics for Economics) (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) as well as Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS credits). 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 ac- cording to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective de- gree 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 se- mesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successful- ly 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							

Bachelor's with 1 major	Mathematics	(2014)
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12-ExtUR-G-132-	Financ	ial Acco	unting								
m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	es	_	V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of asse	essment	writte	written examination (approx. 60 minutes)						
	cation of places			Number of places: 840. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsmathematik (Mathematics for Economics) (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) as well as Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS credits). 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-IntUR-G-132-	Manag	gerial Ac	counting								
m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	es		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of asse	essment	written examination (approx. 60 minutes)							
	Participants and allo- cation of places			Numb (Busir (BSc v Bache remai availa cordir gree s of pla meste ly com course will be	er of places: 840. Notes Management a with 180 ECTS credit elor's students with ning places will be able places, places will be to the following of subject; among app ces): number of sub ers, places will be all appleted at least one es of the module co e maintained and p	to restrictions with regard to available places for and Economics) (BSc with 180 ECTS credits), Wi ts), Wirtschaftsinformatik (Business Informatio the minor Wirtschaftswissenschaft (Business M allocated to students of other subjects. Should will be allocated in a standardised procedure a quotas: Quota 1 (50% of places): total number of licants with the same number of ECTS credits a oject semesters of the respective applicant; am llocated by lot. Quota 3 (25% of places): allocate module component of the respective module v omponent with a restricted number of places wi laces re-allocated as they become available.	or Bachelor's student rtschaftsmathematik n Systems) (BSc with Management and Ecc the number of appli mong all applicants of ECTS credits alread chieved, places will ong applicants with tion by lot. Applicant will be given preferer Il be allocated in the	ts of Wirtschaftswissenschaft (Mathematics for Economics) 180 ECTS credits) as well as pnomics) (60 ECTS credits). The cations exceed the number of irrespective of their subjects ac- dy achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- ts who already have successful- ntial consideration. Places on all same procedure. A waiting list			

12-Mak1-G-132-	Macro	economi	CS 1								
m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	es		V + Ü	v + Ü (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of asse	essment	writte	written examination (approx. 60 minutes)						
	Participants and allo- cation of places			Number of places: 840. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsmathematik (Mathematics for Economics) (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) as well as Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS credits). 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-132-	Microe	economic	CS 1								
m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	es		V + Ü	(no information on	SWS (weekly contact hours) and course langua	ige available)				
	Metho	d of asse	essment	written examination (approx. 60 minutes)							
	Participants and allo- cation of places			Numb (Busir (BSc v Bache remai availa cordir gree s of pla meste ly com course will be	er of places: 840. Notes Management a with 180 ECTS credit elor's students with ning places will be able places, places will be to the following of subject; among app ces): number of sub ers, places will be al appleted at least one es of the module co e maintained and p	lo restrictions with regard to available places for and Economics) (BSc with 180 ECTS credits), Wi ts), Wirtschaftsinformatik (Business Informatio the minor Wirtschaftswissenschaft (Business I allocated to students of other subjects. Should will be allocated in a standardised procedure a juotas: Quota 1 (50% of places): total number of licants with the same number of ECTS credits a oject semesters of the respective applicant; am clocated by lot. Quota 3 (25% of places): alloca module component of the respective module of monent with a restricted number of places wi laces re-allocated as they become available.	or Bachelor's student irtschaftsmathematik n Systems) (BSc with Management and Ecc I the number of appli mong all applicants i of ECTS credits alread ichieved, places will I nong applicants with tion by lot. Applicant will be given preferen ill be allocated in the	s of Wirtschaftswissenschaft (Mathematics for Economics) 180 ECTS credits) as well as onomics) (60 ECTS credits). The cations exceed the number of rrespective of their subjects ac- ly achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- s who already have successful- tial consideration. Places on all same procedure. A waiting list			

Application-oriente	ed Subject Bu	isiness Man	ageme	ent and Economics C	ompulsory Electives			
12-BPL-G-132-m01	Supply, Pro	duction and	Opera	tions Management.	An Introduction			
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	r	V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)	
	Method of a	ssessment	writte	en examination (app	rox. 60 minutes)			
	Participants cation of pla	and allo- aces	Number of places: 620. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsmathematik (Mathematics for Economics) (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) as well as Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS credits). 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-I&F-G-132-m01	Investment	and Finance	e. An In	troduction				
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)	
	Method of a	issessment	writte	en examination (app	rox. 60 minutes)			
	Participants cation of pla	and allo- aces	Numb (Busin (BSC) Bacher remain availa cordin gree s of pla meste ly cor cours will b	ber of places: 620. N ness Management a with 180 ECTS credit elor's students with ining places will be a able places, places v ng to the following q subject; among appl aces): number of sub ers, places will be al npleted at least one ses of the module co e maintained and pl	o restrictions with re nd Economics) (BSc s), Wirtschaftsinform the minor Wirtschafts allocated to students vill be allocated in a uotas: Quota 1 (50% icants with the same ject semesters of the located by lot. Quota module component mponent with a restr aces re-allocated as	gard to available places for Bac with 180 ECTS credits), Wirtscha atik (Business Information Sys swissenschaft (Business Manag of other subjects. Should the r standardised procedure among of places): total number of ECT number of ECTS credits achiev respective applicant; among a 3 (25% of places): allocation b of the respective module will be icted number of places will be a they become available.	chelor's student aftsmathematik tems) (BSc with gement and Ecc number of appli g all applicants i S credits alread ed, places will l applicants with y lot. Applicant e given preferen allocated in the	ts of Wirtschaftswissenschaft (Mathematics for Economics) 180 ECTS credits) as well as onomics) (60 ECTS credits). The cations exceed the number of irrespective of their subjects ac- dy achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- s who already have successful- ntial consideration. Places on all same procedure. A waiting list

12-Mak2-G-132-	Macro	acroeconomics 2											
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	es		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of asse	essment	writte	written examination (approx. 60 minutes)								
	Participants and allo- cation of places			Number of places: 620. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsmathematik (Mathematics for Economics) (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) as well as Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS credits). 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 b	e maintained and p	laces re-allocated as they become available.							
12-Mark-G-132-	Introd	uction to	Market-	Oriente	ed Management								
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	es		V + Ü	(no information on	SWS (weekly contact hours) and course language	available)						
	Metho	d of asse	essment	writte	written examination (approx. 60 minutes)								
	Participants and allo- cation of places			Numb (Busin (BSC v Bache remai availa cordir gree s of pla meste ly con cours will b	per of places: 620. Notes Management a with 180 ECTS credit elor's students with ning places will be able places, places will be places, places will be to the following of subject; among app ces): number of sub ers, places will be a npleted at least one es of the module co e maintained and p	To restrictions with regard to available places for B and Economics) (BSc with 180 ECTS credits), Wirts ts), Wirtschaftsinformatik (Business Information S ¹ the minor Wirtschaftswissenschaft (Business Mar allocated to students of other subjects. Should the will be allocated in a standardised procedure amo quotas: Quota 1 (50% of places): total number of E licants with the same number of ECTS credits achi- oject semesters of the respective applicant; among llocated by lot. Quota 3 (25% of places): allocation module component of the respective module will omponent with a restricted number of places will b laces re-allocated as they become available.	achelor's student chaftsmathematik ystems) (BSc with aggement and Ecc e number of appli ng all applicants CTS credits alreac eved, places will g applicants with by lot. Applicant be given preferer e allocated in the	ts of Wirtschaftswissenschaft (Mathematics for Economics) 180 ECTS credits) as well as onomics) (60 ECTS credits). The cations exceed the number of irrespective of their subjects ac- dy achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- s who already have successful- ntial consideration. Places on all same procedure. A waiting list					

12-Mik2-G-132-	Micro	Nicroeconomics 2												
m01	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	es		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)						
	Metho	od of ass	essment	written examination (approx. 60 minutes)										
			_	Langu	age of assessment:	: German, English		,						
	cation of places			Numb (Busir (BSc v Bache remai availa cordir gree s of pla meste ly con course will be	Number of places: 620. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsmathematik (Mathematics for Economics) (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) as well as Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS credits). 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-132-	Principles of Economic Policy													
m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	es		V + Ü	V + U (no information on SWS (weekly contact hours) and course language available)									
	Metho	d of ass	essment	writte	written examination (approx. 60 minutes)									
	Partici	pants ar of place	nd allo- es	Numb (Busir (BSc v Bache remai availa cordir gree s of pla meste ly com course will be	ver of places: 620. Notes Management a with 180 ECTS credited of students with ning places will be a ble places, places will g to the following appleted; among appletes; ces): number of sub ers, places will be al npleted at least one es of the module co e maintained and pl	to restrictions with re- and Economics) (BSC v rs), Wirtschaftsinform the minor Wirtschafts allocated to students will be allocated in a s juotas: Quota 1 (50% licants with the same oject semesters of the located by lot. Quota module component of mponent with a restri laces re-allocated as t	gard to available places for Bac with 180 ECTS credits), Wirtscha atik (Business Information Syst swissenschaft (Business Manag of other subjects. Should the n standardised procedure among of places): total number of ECTS number of ECTS credits achieve respective applicant; among a 3 (25% of places): allocation by of the respective module will be cted number of places will be a they become available.	helor's student aftsmathematik gement and Ecc umber of appli all applicants i S credits alread ed, places will I pplicants with y lot. Applicant given preferen allocated in the	ts of Wirtschaftswissenschaft (Mathematics for Economics) 180 ECTS credits) as well as phomics) (60 ECTS credits). The cations exceed the number of irrespective of their subjects ac- ly achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- s who already have successful- itial consideration. Places on all same procedure. A waiting list					

Thesis (11 ECTS cre	dits)										
10-M-BAM-122-	Thesis	Mathen	natics (Ba	chelo	r Thesis)						
m01	ECTS	11	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	es		no co	io courses assigned						
	Metho	d of ass	essment	written thesis							
				Langu	anguage of assessment: German, English if agreed upon with the examiner						
	Modules successfully completed			Where	Vhere applicable, specific modules/module components as specified by supervisor.						
Subject-specific Ke	y Skills (16 ECTS credits)										
10-M-COM-131-	Compu	utational	l Mathem	atics							
m01	ECTS	4	Duratio	n	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate		
	Course	es	_	V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)			
	Method of assessment		proje	project in the form of programming exercises (approx. 60 to 120 minutes)							
	Lai			Langu	lage of assessment:	German, English					
10-M-PRG-131-m01	Progra	mming	course fo	r stude	ents of Mathematics	and other subjects		i			
	ECTS	3	Duratio	n	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate		
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language ava	ilable)				
	Method of assessment		proje	ct in the form of prog	gramming exercises (approx. 60 to 120 minutes)					
	Destal	N - 4 - 4 ¹		Langu	Language of assessment: definiting English						
10-M-GBM-131-	Basic	Notation	s and Me	thoas	of Mathematical Re	asoning	(Lundaning durate		
mor	ECIS	2	Duratio	n Iv ö	1 semester	Method of grading	(not) successfully complete		undergraduate		
	Course	es		V + U	v + U (no information on SWS (weekly contact nours) and course language available)						
	Metho	d of asso	essment	proje	project assignment (approx. 60 to 120 minutes)						
10-M-ASM-121-	Reason	ning and	Writing	in Mat	hematics						
m01	FCTS		Duration	n	1 somester	Method of grading	(not) successfully complete		undergraduate		
	Course	2	Duration	V + Ü	(no information on)	SWS (weekly contact	hours) and course language	available)	undergraduate		
	Metho	d of ass	occmont	nroie	t assignment (appr	$\frac{500}{120}$ $\frac{500}{120}$ $\frac{120}{120}$ $\frac{120}{100}$ $\frac{120}{100}$					
	Metho	Method of assessment			Language of assessment: German, English						
10-M-SEM-131-m01	Semin	ar Math	ematics								
	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully complete	d Modul level	undergraduate		
	Course	es	_	S (no	information on SWS	(weekly contact hou	rs) and course language ava	ilable)			
	Metho	d of ass	essment	talk (a	approx. 60 to 120 m	inutes)					

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