

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: Faculty of Mathematics and Computer Science Responsible: Institute of Mathematics Examination regulations version: 2015 Examination regulations version: 2015

Abbreviations used:	Course types: \mathbf{E} = field trip, \mathbf{K} = colloquium, \mathbf{O} = conversatorium, \mathbf{P} = placement/lab course, \mathbf{R} = project, \mathbf{S} = seminar, \mathbf{T} = tutorial, $\mathbf{\ddot{U}}$ = exercise, \mathbf{V} = lecture
	Term: SS = summer semester, WS = winter semester
	Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed
	Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = list of modules
	Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)
Conventions for the modules in this SFB:	Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre- ditable for bonus.
Information on assessment procedures:	Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me- 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 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:

ASPO2015

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

05-Oct-2015 (2015-175)

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		Durati	ion	(in semesters)	Method of grading		Module level			
	Courses	Courses			To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of as	ssessn	nent								
	Only after successful completion of			if applica	ble						
	Other prerequisites			if applicable							
	Participants and allocati- on of places			if applicable							
	Additional information		tion	if applicable							
	Referred to in	n LPO I		if applica	ble (examination re	gulations for teachin	g-degree programmes)				

Compulsory Course	sory Courses (40 ECTS credits)										
10-M-ANA-Ü-152-	Overview Anal	ysis									
m01	ECTS 14	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (4) ·	V (4) + Ü (2)							
	Method of ass	essment	oral e Asses Langu	oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to the contents of modules 10-M-ANA1 and 10-M-ANA2. Language of assessment: German and/or English							
10-M-LNA-Ü-152-	Overview Line	ar Algebr	a								
m01	ECTS 14	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (4) ·	+ Ü (2)							
	Method of ass	essment	oral e Asses Langu	oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to the contents of modules 10-M-LNA1 and 10-M-LNA2. Language of assessment: German and/or English							
10-M-VAN-152-m01	Advanced Ana	lysis									
	ECTS 7	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (4) ·	+ Ü (2)							
	Method of assessment		b) oral examination in groups (groups of 2, 10 to 15 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus								
10-M-SEM-152-	Seminar Mathematics										
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		S (2)								
	Method of ass	essment	talk (60 to 120 minutes) Language of assessment: German and/or English								
	Referred to in I	LPO I	§ 22 II Nr. 3 f)								
Compulsory Electiv	es Mathematic	s (79 ECT	S credi	ts)							
Subfield Basics of	Analysis (8 ECT	S credits))								
10-M-ANA1-152-	Analysis 1										
m01	ECTS 8	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses		V (4) -	+ Ü (2)	· · ·		•				
	Method of ass	essment	writte each) Langu	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each) Language of assessment: German and/or English							

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10-M-ANA2-152-	Analysis	Analysis 2											
m01	ECTS	8	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses			V (4) -	+ Ü (2)								
	Method	ofasse	essment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises									
				each)									
Subfield Basics of	hfield Basics of Linear Algebra (8 FCTS credits)												
10-M-I NA1-152-	Linear A	lgehra	1										
m01	ECTS	8	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses	-		V (4) -	+ Ü (2)								
	Method	ofasse	essment	writte	n examination (ap	pprox. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises							
				each)	each)								
				Langu	lage of assessmen	ent: German and/or English							
10-M-LNA2-152-	Linear A	lgebra	2										
m01	ECTS	8	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses			V (4) -	+ U (2)								
	Method of assessment			written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each)									
				Langu	lage of assessmen	ent: German and/or English							
Subfield Basics of	Applied N	Aathem	atics (9 l	ECTS cr	redits)								
10-M-NUM1-152-	Numerical Mathematics 1												
m01	ECTS	9	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses			V (4) -	+ Ü (2)								
	Method	ofasse	essment	a) written examination (approx. 90 to 180 minutes, usually chosen) or									
				b) oral examination of one candidate each (15 to 30 minutes) or									
				c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English									
				credit	creditable for bonus								
10-M-NUM2-152-	Numeric	al Mat	hematics	2									
m01	ECTS	9	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses			V (4) -	+ Ü (2)								
	Method	ofasse	essment	a) wri	tten examination ((approx. 90 to 180 minutes, usually chosen) or							
				b) ora	l examination of o	one candidate each (15 to 30 minutes) or							
				Langu	lage of assessmen	groups (groups of 2, 10 to 15 minutes per candidate) ent: German and/or English							
				credit	able for bonus								

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10-M-ST01-152-	Stocha	Stochastics 1											
m01	ECTS	9	Duratior	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es		V (4) +	- Ü (2)	· · · · · · · · · · · · · · · · · · ·		8	·				
	Metho	d of asse	essment	a) wri	tten examination (a	pprox. 90 to 180 minu	ites, usually chosen) or						
				b) ora	l examination of on	e candidate each (15	to 30 minutes) or						
				c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus									
10-M-ST02-152-	Stocha	astics 2											
m01	ECTS	9	Duratior	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es	,	V (4) +	- Ü (2)			•					
	Metho	d of asse	essment	a) wri	tten examination (a	pprox. 90 to 180 minu	ites, usually chosen) or						
				b) ora	l examination of on	e candidate each (15	to 30 minutes) or						
				c) ora	l examination in gro	Oups (groups of 2, 10 to Cormon and for Englishing to the second s	ish						
				credit	able for bonus		1511						
Subfield Pure Math	ematic	s (9 ECTS	6 credits)										
10-M-ALG-152-m01	Introduction to Algebra												
	ECTS	9	Duratior	ı	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es		V (4) +	- Ü (2)			•					
	Metho	d of asse	essment	a) written examination (approx. 90 to 180 minutes, usually chosen) or									
				b) ora	l examination of on	e candidate each (15	to 30 minutes) or						
				c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)									
				credit	able for bonus		1311						
10-M-DGE-152-m01	Introd	uction to	Different	ial Ge	ometry								
	ECTS	9	Duratior	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es	,	V (4) +	- Ü (2)			•					
	Metho	d of asse	essment	a) wri	tten examination (a	pprox. 90 to 180 minu	ites, usually chosen) or						
				b) ora	l examination of on	ne candidate each (15	to 30 minutes) or						
				c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)									
				Language of assessment: German and/or English									
				credit	able for bonus			e subsequent s					

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10-M-DGL-152-m01	Ordina	Ordinary Differential Equations											
	ECTS	9	Duration	۱	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es		V (4) +	- Ü (2)	•		*					
	Metho	d of asse	essment	a) wri	tten examination (a	approx. 90 to 180 mini	ites, usually chosen) or						
				b) ora	l examination of or	ne candidate each (15	to 30 minutes) or						
				c) ora	c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)								
				creditable for bonus									
10-M-FTH-152-m01	Introdu	Introduction to Complex Analysis											
	ECTS	9	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es		V (4) +	- Ü (2)			•					
	Metho	d of asse	essment	a) wri	tten examination (a	approx. 90 to 180 minu	ites, usually chosen) or						
				b) ora	l examination of or	ne candidate each (15	to 30 minutes) or						
				c) ora	c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)								
				credit	creditable for bonus								
10-M-GAN-152-	Geome	Geometric Analysis											
m01	ECTS	9	Duration	ı	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es		V (4) +	V (4) + Ü (2)								
	Metho	d of asse	essment	a) written examination (approx. 90 to 180 minutes, usually chosen) or									
				b) oral examination of one candidate each (15 to 30 minutes) or									
				c) ordi examination in groups (groups of 2, 10 to 15 minutes per candidate)									
				creditable for bonus									
	Referre	ed to in L	.PO I	§ 22	Nr. 3 f)				-				
10-M-PGE-152-m01	Introdu	uction to	Projectiv	ve Geo	metry								
	ECTS	9	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	S		V (4) +	- Ü (2)			A					
	Metho	d of asse	essment	a) wri	tten examination (a	approx. 90 to 180 minu	ites, usually chosen) or						
				b) oral examination of one candidate each (15 to 30 minutes) or									
				c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)									
				Language of assessment: German and/or English									
				credit	able for bonus			e subsequent s					

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Subfield Basics Sp	eld Basics Specialization of Mathematics (9 ECTS credits)										
10-M-NUM1-152-	Nume	rical Mat	hematics	1							
m01	ECTS	9	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	es		V (4) -	/ (4) + Ü (2)						
	Metho	d of asse	essment	a) wri	a) written examination (approx. 90 to 180 minutes, usually chosen) or						
				c) oral examination of one candidate each (15 to 30 minutes) of							
				Language of assessment: German and/or English							
				credit	creditable for bonus						
10-M-NUM2-152-	Nume	rical Mat	nematics	2	r						
m01	ECTS	9	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	es		V (4) -	+ Ü (2)						
	Metho	d of asse	essment	a) wri	a) written examination (approx. 90 to 180 minutes, usually chosen) or						
				b) oral examination of one candidate each (15 to 30 minutes) or							
				Language of assessment: German and/or English							
				credit	creditable for bonus						
10-M-ST01-152-	Stochastics 1										
m01	ECTS	9	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	es		V (4) -	+ Ü (2)						
	Metho	d of asse	essment	a) written examination (approx. 90 to 180 minutes, usually chosen) or							
				b) oral examination of one candidate each (15 to 30 minutes) or							
					lage of assessment:	German and/or Engl	ish				
				creditable for bonus							
10-M-ST02-152-	Stoch	astics 2									
m01	ECTS	9	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	es		V (4) -	+ Ü (2)						
	Method of assessment			a) wri	tten examination (a	pprox. 90 to 180 minu	utes, usually chosen) or				
				b) ora	l examination of one	e candidate each (15	to 30 minutes) or				
				l angi	i examination in gro lage of assessment.	German and/or Fngl	ish				
				credit	able for bonus						

10-M-ORS-152-m01	Operat	ions Re	search							
	ECTS	9	Duratio	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Course	es		V (4) -	/ (4) + Ü (2)					
	Metho	d of ass	essment	a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus						
	Referre	ed to in L	.PO I	§ 22	§ 22 Nr. 3 f)					
10-M-ALG-152-m01	Introdu	uction to	Algebra							
	ECTS 9 Duratio			1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses			V (4) ·	+ Ü (2)					
	Method of assessment			a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus						
10-M-DGE-152-m01	Introduction to Differential Geometry									
	ECTS 9 Duratio			1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Course	es		V (4) -	V (4) + Ü (2)					
	Metho	d of ass	essment	a) wri b) ora c) ora Langu Asses credit	tten examination (a l examination of on l examination in gro lage of assessment: sment offered: In th able for bonus	oprox. 90 to 180 minu e candidate each (15 ups (groups of 2, 10 t German and/or Engl e semester in which	utes, usually chosen) or to 30 minutes) or to 15 minutes per candidate) ish the course is offered and in the	e subsequent se	emester	
10-M-DGL-152-m01	Ordina	ry Diffe	ential Eq	uation	uations					
	ECTS	9	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Course	es		V (4) -	+ Ü (2)					
	Method of assessment			a) wri b) ora c) ora Langu credit	tten examination (a l examination of ond l examination in gro lage of assessment: able for bonus	oprox. 90 to 180 minu e candidate each (15 ups (groups of 2, 10 t German and/or Engl	utes, usually chosen) or to 30 minutes) or to 15 minutes per candidate) ish			

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10-M-FTH-152-m01	Introdu	uction to	Complex	Analy	Analysis							
	ECTS	9	Duratio	ı	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		V (4) -	+ Ü (2)	·	-					
	Metho	d of asse	essment	a) wri	tten examination (a	approx. 90 to 180 min	utes, usually chosen) or					
				b) ora	b) oral examination of one candidate each (15 to 30 minutes) or							
				c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)								
				credit	creditable for bonus							
10-M-GAN-152-	Geome	tric Ana	lysis									
m01	ECTS	9	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		V (4) -	<u>4</u>) + Ü (2)							
	Metho	d of asse	essment	a) wri	tten examination (a	approx. 90 to 180 min	utes, usually chosen) or					
				b) ora	l examination of or	ne candidate each (15	to 30 minutes) or					
				c) ora	:) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)							
				credit	creditable for bonus							
	Referre	d to in L	POI	§ 22	I Nr. 3 f)							
10-M-DIM-152-m01	Introdu	uction to	Discrete	te Mathematics								
	ECTS	9	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		V (4) -	+ Ü (2)							
	Metho	d of asse	essment	a) wri	tten examination (a	approx. 90 to 180 min	utes, usually chosen) or					
				b) ora	l examination of or	ne candidate each (15	to 30 minutes) or					
				c) ora	l examination in gro	oups (groups of 2, 10	to 15 minutes per candidate)					
				creditable for bonus								
10-M-FAN-152-m01	Introdu	uction to	Function	al Ana	lysis							
	ECTS	9	Duration	ı	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		V (4) -	- + Ü (2)							
	Metho	d of asse	essment	a) wri	tten examination (a	approx. 90 to 180 min	utes, usually chosen) or					
				b) ora	l examination of or	ne candidate each (15	to 30 minutes) or					
				c) ora	l examination in gro	oups (groups of 2, 10	to 15 minutes per candidate)					
				credit	age of assessment able for bonus	: German and/or Eng	11511					
	Referre	ed to in L	PO I	§ 22	I Nr. 3 f)							

10-M-PAR-152-m01	Introd	oduction to Partial Differential Equations										
	ECTS	9	Duratior	n	1 semester	Method of gr	rading	(not) successfully a	completed	Modul level	undergraduate	
	Course	!S		V (4) ·	+ Ü (2)							
	Method of assessmenta) written examination (approx. 90 to 180 minutes, usually chosen) orb) oral examination of one candidate each (15 to 30 minutes) orc) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)Language of assessment: German and/or EnglishAssessment offered: In the semester in which the course is offered and in the subsequent semestercreditable for bonus									emester		
10-M-PGE-152-m01	Introdu	roduction to Projective Geometry										
	ECTS	9	Duratior	<u>า</u>	1 semester	Method of gr	rading	(not) successfully of	completed	Modul level	undergraduate	
	Course	S		V (4) ·	+ Ü (2)							
	 a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus 										emester	
10-M-ZTH-152-m01	Introd	uction to	Number	Theor	у							
	ECTS	9	Duratior	n	1 semester	Method of gr	rading	(not) successfully of	completed	Modul level	undergraduate	
	Course	!S		V (4) ·	+ Ü (2)							
	Method of assessment			a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus								
10-M-LOG-232-	Introd	uction to	Mathem	atical	Logic					<u>.</u>		
m01	ECTS	9	Duratior	<u>า</u>	1 semester	Method of gr	rading	(not) successfully of	completed	Modul level		
	Courses			V (4) + Ü (2) Module taught in: German and/or English								
	Method of assessment			a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus								

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Subfield Overview	Applied	Mathem	natics (12	ECTS	credits)						
10-M-STO-Ü-152-	Overvie	ew Stocl	hastics 1	and St	ochastics 2						
m01	ECTS 12 Duration			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4) -	+ Ü (2)						
	Method	d of asse	essment	oral e	xamination of one	candidate each (20 to	o 40 minutes) in applied mathematics as agr	rood upop with th	ao ayaminar. Each tanic may anly		
				be se	Assessment with have reference to two topics in applied mathematics as agreed upon with the examiner. Each topic may only be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
	Language of assessment: German and/or English										
10-M-NUM-Ü-152-	Overvie	Overview Numerical Mathematics 1 and Numerical Mathematics 2									
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4) -	$(4) + \ddot{U}(2)$						
	Method	d of asse	essment	oral e	xamination of one	candidate each (20 te	o 40 minutes)				
				Asses	ssment will have re	ference to two topics	in applied mathematics as agi	reed upon with the	he examiner. Each topic may only		
		be selected as the subject of one examination in the sub-fields Gesamtuberblick (Overview). Language of assessment: German and/or English									
10-M-NUST-Ü-152-	Overvie	Overview Numerical Mathematics 1 and Stochastics 1									
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	s		V (4) -	+ Ü (2)			•			
	Method	d of asse	essment	oral e	xamination of one	candidate each (20 te	o 40 minutes)				
				Assessment will have reference to two topics in applied mathematics as agreed upon with the examiner. Each topic may only							
	Language of assessment: German and/or English										
Subfield Overview	verview Pure Mathematics (12 ECTS credits)										
10-M-ALGD-Ü-152-	Overview Algebra and Ordinary Differential Equations										
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	s		V (4) -	+ Ü (2)	- - -		•			
	Method	d of asse	essment	oral e	oral examination of one candidate each (20 to 40 minutes)						
				Asses	Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be						
				select	ted as the subject (Jage of assessment	of one examination in the second s	the sub-fields Gesamtuberblie lish	ck (Overview).			
10-M-DGGD-Ü-152-	Overvie	ew Diffe	rential Ge	eometr	ometry and Ordinary Differential Equations						
m01	ECTS 12 Duratio				1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V (4) -	ι + Ü (2)						
	Method	d of asse	essment	oral e	xamination of one	candidate each (20 to	o 40 minutes)				
				Asses	sment will have re	ference to two topics	in pure mathematics as agree	d upon with the e	examiner. Each topic may only be		
				select	selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
		Language of assessment: German and/or English									

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10-M-ALFT-Ü-152-	Overvie	erview Algebra and Complex Analysis										
m01	ECTS	12	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4) -	V (4) + Ü (2)							
	Method	ofass	essment	oral examination of one candidate each (20 to 40 minutes)								
				Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be								
				selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).								
	Overries	Language of assessment: German and/of English										
10-M-FIDG-0-152-	Overvie	w Com		ysis ar	is and Differential Geometry							
	ECIS	12	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4) ·	+ U (2)							
	Method	of ass	essment	oral e	xamination of one ca	andidate each (20 to	40 minutes)	d upop with the	avaminar. Each tanic may only ba			
				select	ted as the subject of	one examination in	the sub-fields Gesamtüberbli	ck (Overview).	exammer. Each topic may only be			
				Langu	Language of assessment: German and/or English							
10-M-FTGD-Ü-152-	Overview	w Com	plex Anal	ysis ar	sis and Ordinary Differential Equations							
m01	ECTS 12 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
-	Courses		V (4) -	+ Ü (2)								
	Method	ofass	essment	oral e	xamination of one ca	andidate each (20 to	40 minutes)					
				Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be								
				selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).								
				Langu	lage of assessment:	German and/or Engl	ISN					
10-M-GADG-U-152-	Overvie	w Geor	netric Ana	lysis and Differential Geometry								
11101	ECTS 12 Duration		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			V (4) + U (2)								
	Method of assessment			oral examination of one candidate each (20 to 40 minutes)								
				Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be								
				Language of assessment: German and/or English								
10-M-GAGD-Ü-152-	Overvie	w Geor	netric Ana	alvsis a	and Ordinary Differe	ntial Equations						
mo1	ECTS 12 Duration		<u>,</u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		1	V (4) -	ι + Ü (2)		3					
	Method	ofass	essment	oral e	xamination of one ca	andidate each (20 to	40 minutes)					
				Asses	sment will have refe	erence to two topics i	n pure mathematics as agree	d upon with the e	examiner. Each topic may only be			
				selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).								
				Language of assessment: German and/or English								

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10-M-GAFT-Ü-152-	Overview Geometric Analysis and Complex Analysis											
m01	ECTS	12	Duratior	ı 🛛	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V (4) +	· Ü (2)		•					
	Method of assessment oral examination of one candidate each (20 to 40 minutes)											
				Asses	sment will have ref	erence to two topics	in pure mathematics as agreed the sub-fields Gesamtüberblic	l upon with the (examiner. Each topic may only be			
		Language of assessment: German and/or English										
10-M-ALPG-Ü-152-	Overvie	verview Algebra and Projective Geometry										
m01	ECTS	12	Duratior	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5	,	V (4) +	· Ü (2)			•				
	Method	of asse	essment	oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).								
		Language of assessment: German and/or English										
Subfield Overview	Advance	d Mathe	ematics (1	2 ECTS	6 credits)							
10-M-ALGD-Ü-152-	Overvie	w Algel	gebra and Ordinary Differential Equations									
m01	ECTS	12	Duratior	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V (4) +	· Ü (2)							
	Method of assessment			oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview). Language of assessment: German and/or English								
10-M-DGGD-Ü-152-	Overvie	Overview Differential Geometry and Ordinary Differential Equations										
m01	ECTS	12	Duratior	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	6		V (4) +	· Ü (2)							
	Method of assessment			oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview). Language of assessment: German and/or English								
10-M-ALFT-Ü-152-	Overvie	w Algel	ora and Co	Complex Analysis								
m01	ECTS 12 Duration		Duratior	1 I	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4) +	· Ü (2)							
	Method of assessment			oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview). Language of assessment: German and/or English								

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10-M-FTDG-Ü-152-	Overvie	view Complex Analysis and Differential Geometry									
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4) ·	√ (4) + Ü (2)						
	Method	d of ass	essment	oral e	oral examination of one candidate each (20 to 40 minutes)						
				Asses	ssment will have refe	erence to two topics i	n pure mathematics as a	agreed upon with the e	examiner. Each topic may only be		
				Langi	selected as the subject of one examination in the sub-fields Gesamtuberblick (Overview).						
10-M-FTGD-Ü-152-	Overvie	ew Com	plex Anal	vsis ar	rsis and Ordinary Differential Equations						
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	s		V (4) ·	ι + Ü (2)		<u> </u>				
	Method	d of ass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)				
				Asses	Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be						
				Select	elected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
10-M-GADG-Ü-152-	Overvie	/englinge of assessment. German and/or English									
m01	ECTS 12 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V (/) ·	+ [] (2)	Internod of grading	numeneur grade	modullevel	undergidddde		
	Method	Method of assessment			xamination of one c	andidate each (20 to	40 minutes)				
				Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be							
				selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).							
				Langu	lage of assessment:	German and/or Eng	ISh				
10-M-GAGD-U-152-	Overvie	ew Geor		alysis	and Ordinary Differe	ential Equations					
mor	ECTS 12 Duration		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4) + U (2)							
	Method of assessment			oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be							
				select	selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
				Language of assessment: German and/or English							
10-M-GAFT-Ü-152-	Overvie	ew Geor	netric Ana	alysis a	lysis and Complex Analysis						
m01	ECTS 12 Duration			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	Courses			+ Ü (2)						
	Method	d of ass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)				
				Asses	ssment will have refe	erence to two topics i	n pure mathematics as a	agreed upon with the e	examiner. Each topic may only be		
				Langu	lage of assessment:	German and/or Eng	ish				

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10-M-ALPG-Ü-152-	Overview	w Alge	bra and P	rojecti	ve Geometry					
m01	ECTS	12	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			V (4) -	+ Ü (2)			•		
	Method	ofass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)			
				Asses	sment will have refe	erence to two topics i	n pure mathematics as agreed	d upon with the e	examiner. Each topic may only be	
				select	ted as the subject of	one examination in t	the sub-fields Gesamtüberblic	ck (Overview).		
	Overview	w Alma	hvo and D	Langu		German anu/or Engl	1511			
10-M-ALDI-0-152-	Uvervie	w Alge		Iscrete		Mathad of grading	numerical grade	Madullaval	undergreduete	
	ECIS	12	Duration	$\frac{1}{1}$		Method of grading	numerical grade	Modul level	undergraduate	
	Courses	<u> </u>		V (4) ·	+ U (2)		• • •			
	Method	ofass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes) n nure mathematics as agreed	d upon with the	examiner. Fach tonic may only be	
				select	ted as the subject of	one examination in	he sub-fields Gesamtüberbli	ck (Overview).	examiner. Lach topic may only be	
				Langu	age of assessment:	German and/or Engl	ish			
10-M-DIPG-Ü-152-	Overview	w Discı	rete Math	ematio	s and Projective Ge	ometry				
m01	ECTS	12	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (4) + Ü (2)							
	Method	ofass	essment	oral examination of one candidate each (20 to 40 minutes)						
			Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be							
				select	ted as the subject of	one examination in t	he sub-fields Gesamtüberblig	ck (Overview).		
	Orremier		tional Am	Langu	age of assessment:	German and/or Engl	ISTI			
10-M-FADG-U-152-	Overvie			alysis	and Differential Geo	metry			line demonstrates	
	ECIS	12	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			V (4) + U (2)						
	Method of assessment			oral examination of one candidate each (20 to 40 minutes)						
				Assessment will nave reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview)						
				Langu	lage of assessment:	German and/or Engl	ish			
10-M-FAGD-Ü-152-	Overview	w Func	tional An	alysis and Ordinary Differential Equations						
m01	ECTS	12	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			V (4) -	+ Ü (2)					
	Method	ofass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)			
				Asses	sment will have refe	erence to two topics i	n pure mathematics as agreed	d upon with the e	examiner. Each topic may only be	
				select	ted as the subject of	one examination in	he sub-fields Gesamtüberbli	ck (Overview).		
				Langu	lage of assessment:	German and/or Engl	ISN			

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10-M-FAFT-Ü-152-	Overvie	ew Func	tional An	alysis	and Complex Analys	is				
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		V (4) ·	+ Ü (2)	•				
	Method	d of ass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)			
				Asses	sment will have refe	rence to two topics i	n pure mathematics as	agreed upon with the	examiner. Each topic may only be	
				Select	ted as the subject of lage of assessment.	German and/or Engl	the sub-fields Gesamtu ish	berblick (Overview).		
10-M-FAGA-Ü-152-	Overvie	w Func	tional An	alvsis	and Geometric Analy	/sis				
m01	FCTS	12	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	s	Duration	V (/) ·	+ [] (2)	method of Studing	numeneur grude	modulievel	undergraduate	
	Methor	- d of assi	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)			
	method		coontent	Asses	ssment will have refe	erence to two topics i	n pure mathematics as	agreed upon with the	examiner. Each topic may only be	
				select	ted as the subject of	one examination in	the sub-fields Gesamtü	berblick (Overview).		
				Langu	lage of assessment:	German and/or Engl	ish			
10-M-ALZI-U-152-	Overvie	ew Alge	bra and N	lumber	' Theory					
	ECIS 12 Duratio		n I	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) + U (2)							
	Method of assessment			oral examination of one candidate each (20 to 40 minutes)						
				select	ted as the subject of	one examination in	the sub-fields Gesamtü	berblick (Overview).	examiner. Each topic may only be	
				Langu	lage of assessment:	German and/or Engl	ish			
10-M-DGZT-Ü-152-	Overvie	ew Diffe	rential G	eometr	y and Number Theor	ſy				
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	s		V (4) ·	+ Ü (2)			•		
	Method	d of ass	essment	oral examination of one candidate each (20 to 40 minutes)						
				Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be						
				selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
10-M-GD7T-Ü-152-	Overvie	w Ordi	nary Diffe	rential	Faultions and Num	her Theory	1511			
m01	FCTS	12	Duration	n	1 comester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	c 12	Duration	$V(\lambda)$	<u> </u> 1 3011103101 + (2)	Method of grading	numencal grade	Modulievel	undergraduate	
	Method	d of acc	occmont	oral o	vamination of one c	andidate each (20 to	(o minutes)			
	Method	1 01 055	essment	Asses	sment will have refe	erence to two topics i	n pure mathematics as	agreed upon with the	examiner. Each topic may only be	
				selec	ted as the subject of	one examination in	the sub-fields Gesamtü	berblick (Overview).		
				Langu	lage of assessment:	German and/or Engl	ish			

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mo1	Overview con	iplex Anal	ysis an	d Number Theory					
	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (4) +	· Ü (2)			•		
	Method of ass	sessment	oral ex	amination of one ca	andidate each (20 to	40 minutes)			
			Asses	sment will have refe	rence to two topics i	n pure mathematics as agreed	upon with the e	examiner. Each topic may only be	
			select	ed as the subject of	one examination in	the sub-fields Gesamtüberblici ich	(Overview).		
		motric An		age of assessment:		1511			
mo1					Mathad of grading	numerical area	Madullaval	undergreduete	
	ECIS 12	Duratio			method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (4) +	· U (2)		· - ··· · ··· · · · · · · · · · · · · ·			
	Method of ass	sessment	oral ex	camination of one ca sment will have refe	andidate each (20 to vrence to two topics i	40 minutes)	upon with the	examiner Each tonic may only be	
			select	ed as the subject of	one examination in	the sub-fields Gesamtüberblic	(Overview).	examiner. Lach topic may only be	
			Langu	age of assessment:	German and/or Engl	ish	· · · ·		
10-M-PGZT-Ü-152-	Overview Proj	ective Geo	ometry	and Number Theory					
m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (4) + Ü (2)						
	Method of ass	sessment	oral examination of one candidate each (20 to 40 minutes)						
			Asses	sment will have refe	rence to two topics i	n pure mathematics as agreed	upon with the e	examiner. Each topic may only be	
			select	ed as the subject of	one examination in Corman and/or Engl	the sub-fields Gesamtuberblici	(Overview).		
10-M-DIZT-Ü-152-		roto Math	omatic	s and Number Theor		1311			
mo1	ECTS 12	Duration			Mothod of grading	numerical grade	Modulloval	undorgraduato	
		Duration			Method of grading	numencai giade	Modul level	undergraduate	
	Mathad of ac	occmont		$\frac{1}{2}$	andidata aach (aa ta	(o minutos)			
	Method of as	essment	Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be						
			selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
			Langu	age of assessment:	German and/or Engl	ish			
	Overview Fun	ctional An	alysis a	and Number Theory					
10-M-FAZT-Ü-152-			n l	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
10-M-FAZT-Ü-152- m01	ECIS 12	Duratio							
10-M-FAZT-Ü-152- m01	Courses	Duration	V (4) +	· Ü (2)					
10-M-FAZT-Ü-152- m01	Courses Method of ass	sessment	V (4) + oral e>	· Ü (2) kamination of one ca	andidate each (20 to	40 minutes)			
10-M-FAZT-Ü-152- m01	Courses Method of ass	sessment	V (4) + oral ex Asses	· Ü (2) kamination of one ca sment will have refe	andidate each (20 to rence to two topics i	40 minutes) n pure mathematics as agreed	upon with the e	examiner. Each topic may only be	
10-M-DIZT-Ü-152- m01	Method of ass Overview Disc ECTS 12 Courses Method of ass Overview Fun	sessment rete Math Duration sessment	oral ex Asses: select Langu ematic n V (4) + Oral ex Asses: select Langu alysis a	camination of one ca sment will have refe ed as the subject of age of assessment: s and Number Theo 1 semester Ü (2) camination of one ca sment will have refe ed as the subject of age of assessment: ind Number Theory 1 semester	andidate each (20 to rence to two topics i one examination in German and/or Engl ry Method of grading andidate each (20 to rence to two topics i one examination in German and/or Engl Method of grading	40 minutes) n pure mathematics as agreed the sub-fields Gesamtüberblick ish numerical grade 40 minutes) n pure mathematics as agreed the sub-fields Gesamtüberblick ish numerical grade	upon with the e (Overview). Modul level upon with the e (Overview).	examiner. Each topic may only be undergraduate examiner. Each topic may only be undergraduate	

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10-M-DGPA-Ü-152-	Overvi	ew Diffe	rential Ge	eomet	ry and Partial Differe	ential Equations					
m01	ECTS	12	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4)	+ Ü (2)			2			
	Metho	d of ass	essment	oral e	examination of one c	andidate each (20 to	40 minutes)				
				Asse	Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be						
				Selec	ted as the subject of uage of assessment.	German and/or Eng	the sub-fields Gesamtuberbl ish	ICK (Overview).			
10-M-GDPA-Ü-152-	Overvi	ew Ordi	nary Diffe	rentia	I Equations and Part	ial Differential Equat	ions				
m01	FCTS	12	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	 S	Duration	V (4)	+ [] (2)	Interned of grading	numeneur grude	modultevel	andergraduate		
	Metho	d of ass	essment	oral	examination of one c	andidate each (20 to	40 minutes)				
				Asse	ssment will have refe	erence to two topics	n pure mathematics as agree	ed upon with the	examiner. Each topic may only be		
				selec	ted as the subject of	fone examination in	the sub-fields Gesamtüberbl	ick (Overview).			
	0	<u> </u>		Lang	uage of assessment:	German and/or Eng	ISh				
10-M-FTPA-U-152-	Overvie	ew Com	plex Anal	ysis a	nd Partial Differentia	at Equations			Lundaning durate		
	ECIS	12	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4)	+ U (2)						
	Method of assessment			oral examination of one candidate each (20 to 40 minutes)							
				selec	ted as the subject of	f one examination in	the sub-fields Gesamtüberbl	ick (Overview).	examiner. Each topic may only be		
				Lang	uage of assessment:	German and/or Eng	ish	(,-			
10-M-GAPA-Ü-152-	Overvi	ew Geor	metric Ana	alysis	and Partial Different	ial Equations					
m01	ECTS	12	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4)	+ Ü (2)						
	Metho	d of ass	essment	oral examination of one candidate each (20 to 40 minutes)							
				Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be							
				Selec	ted as the subject of	German and/or Eng	the sub-fields Gesamtuberbl ish	ICK (Overview).			
10-M-FAPA-Ü-152-	Overvi	ew Func	tional An	alvsis	and Partial Different	tial Equations					
m01	FCTS	12	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	<u> </u>	- aratio	V (/i)	+ Ü (2)						
	Metho	d of ass	essment	oral e	examination of one c	andidate each (20 to	40 minutes)				
	meeno	u 01 u 05	coontent	Asse	ssment will have refe	erence to two topics i	n pure mathematics as agree	ed upon with the	examiner. Each topic may only be		
				selec	ted as the subject of	one examination in	the sub-fields Gesamtüberbl	ick (Overview).			
				Lang	uage of assessment:	German and/or Eng	ish				

Pachaler's with a major Mathematics (2015)			
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10-M-PAZT-Ü-152-	Overview P	artial Differe	ntial E	quations and Numb	er Theory					
m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) + Ü (2)							
	Method of a	assessment	oral e	xamination of one c	candidate each (20 to	40 minutes)				
			Asses	Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be						
			Langu	lage of assessment:	: German and/or Eng	lish	endlick (Overview).			
10-M-STO-Ü-152-	Overview S	tochastics 1	and St	ochastics 2						
m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) ·	+ Ü (2)		•				
	Method of a	assessment	oral e Asses be se Langu	xamination of one cossent will have reference of the second state of the subject of assessment:	candidate each (20 to erence to two topics i ct of one examination : German and/or Eng	o 40 minutes) in applied mathematics a in the sub-fields Gesam lish	is agreed upon with th tüberblick (Overview).	ne examiner. Each topic may only		
10-M-NUM-Ü-152-	Overview N	umerical Ma	thema	tics 1 and Numerica	l Mathematics 2					
m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) ·	+ Ü (2)						
	Method of a	assessment	oral e Asses be se Langu	examination of one c asment will have refe lected as the subjec uage of assessment:	candidate each (20 to erence to two topics i ct of one examination : German and/or Eng	9 40 minutes) in applied mathematics a in the sub-fields Gesam lish	is agreed upon with th tüberblick (Overview).	ne examiner. Each topic may only		
10-M-GD-	Overview O	rdinary Diffe	rentia	l Equations and Nun	nerical Mathematics	1				
NU1-U-152-m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) ·	V (4) + Ü (2)						
	Method of a	assessment	oral e Asses may c Langu	examination of one c ssment will have refe only be selected as t uage of assessment:	candidate each (20 to erence to two topics i the subject of one exa : German and/or Eng	o 40 minutes) In pure and applied math amination in the sub-field lish	ematics as agreed up ds Gesamtüberblick ((on with the examiner. Each topic Overview).		
10-M-GD-	Overview O	ordinary Diffe	rentia	l Equations and Nun	nerical Mathematics	2				
NU2-U-152-m01	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) ·	+ Ü (2)						
	Method of a	assessment	oral e Asses may c Langu	examination of one constant will have reference only be selected as tugge of assessment:	candidate each (20 to erence to two topics the subject of one exa : German and/or Eng	o 40 minutes) in pure and applied math amination in the sub-field lish	ematics as agreed up ds Gesamtüberblick ((on with the examiner. Each topic Overview).		

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10-M-FA-	Overview Fu	nctional Ana	alysis ar	nd Numerical Math	nematics 1				
NU1-Ü-152-m01	ECTS 12	Duration	n 1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (4) +	Ü (2)	•	·			
	Method of as	sessment	oral exa	amination of one c	andidate each (20 to	40 minutes)			
			Assess	sment will have refe	erence to two topics	n pure and applied mather	natics as agreed up	on with the examiner. Each topic	
			may on	ily de selected as t	the subject of one exa • German and/or Eng	amination in the sub-fields lish	Gesamtuberblick (C	Dverview).	
10-M-FA-	Overview Fu	nctional Ana	alvsis ar	nd Numerical Math	nematics 2				
NU2-Ü-152-mo1	FCTS 12	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate	
-	Courses	Duration	V (4) +	<u> (2)</u>	method of glading	numeneur grude	modulievel	undergraduate	
	Method of as	sessment	oral exa	amination of one c	andidate each (20 to	40 minutes)			
			Assess	sment will have refe	erence to two topics	n pure and applied mather	natics as agreed up	on with the examiner. Each topic	
			may on	nly be selected as t	the subject of one example	amination in the sub-fields	Gesamtüberblick (Overview).	
			Langua	age of assessment:	: German and/or Eng	lish			
10-M-UR-	Overview Op	erations Re	esearch	and Numerical Ma	thematics 1	· · ·			
101-0-152-1101	ECIS 12	Duration	1 [1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (4) +	U (2)					
	Method of as	ssessment	oral examination of one candidate each (20 to 40 minutes)						
			be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
			Langua	age of assessment:	: German and/or Eng	lish			
10-M-OR-	Overview Op	erations Re	search a	and Numerical Ma	thematics 2				
NU2-Ü-152-m01	ECTS 12	Duration	1 1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (4) +	V(4) + U(2)					
	Method of as	sessment	oral examination of one candidate each (20 to 40 minutes)						
			Assessment will have reference to two topics in applied mathematics as agreed upon with the examiner. Each topic may only						
			be sele	ected as the subject	ct of one examination	in the sub-fields Gesamtul	berblick (Overview).		
10-M-PA-	Overview Pa	rtial Differe	ntial Fau	uations and Nume	rical Mathematics 1				
NU1-Ü-152-m01	FCTS 12	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate	
		Duration	· · · ·		Method of grading	numenear grade	Modulievel	undergraduate	
	Method of as	coccmont		amination of one c	andidate each (an to	(o minutes)			
		Sessment	Assess	sment will have refe	erence to two topics	n pure and applied mather	natics as agreed up	on with the examiner. Each topic	
			may on	nly be selected as t	the subject of one ex	amination in the sub-fields	Gesamtüberblick ((Overview).	
			Langua	age of assessment:	: German and/or Eng	lish			

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10-M-PA-	Overvie	w Parti	ial Differe	ntial E	quations and Nume	rical Mathematics 2					
NU2-Ü-152-m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5	•	V (4) ·	/ (4) + Ü (2)						
	Method	ofass	essment	oral e	oral examination of one candidate each (20 to 40 minutes)						
				Assessment will have reference to two topics in pure and applied mathematics as agreed upon with the examiner. Each topic							
				may c	may only be selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
mo1	ECTE		Duration		A competer	Mothod of grading	numerical grade	Madullaval	undorgraduato		
	ECIS	12	Duration			method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		V (4)	+ U (2)						
	Method	orass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)	ics as agreed up	on with the examiner Each tonic		
				may	only be selected as t	he subject of one exa	amination in the sub-fields Ge	samtüberblick ((Overview).		
				Langu	lage of assessment:	German and/or Engl	ish	`			
10-M-ORPA-Ü-152-	Overvie	w Oper	rations Re	esearcl	earch and Partial Differential Equations						
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		V (4) ·	+ Ü (2)						
	Method of assessment			oral e	oral examination of one candidate each (20 to 40 minutes)						
				Assessment will have reference to two topics in pure and applied mathematics as agreed upon with the examiner. Each topic							
				may only be selected as the subject of one examination in the sub-fields Gesamtuberblick (Overview).							
10-M-ALLO-Ü-222-	Overvie		bra and L				1511				
mo1	FCTS	12		n	1 comostor	Mothod of grading	numerical grade	Modulloval			
		12	Duration	V(t)	$V(k) + \ddot{\parallel}(2)$						
	Mothod	oface	occmont	v (4) + U (2)							
	Method of assessment			Assessment will have reference to two tonics in nure mathematics as agreed upon with the examiner. Each tonic may only be							
				selec	selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						
				Langu	Language of assessment: German and/or English						
10-M-AALO-Ü-232-	Overvie	w Appl	ied Algeb	ra and	Logic						
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5		V (4) ·	+ Ü (2)						
	Method	ofass	essment	oral e	xamination of one c	andidate each (20 to	40 minutes)				
				Asses	ssment will have refe	erence to two topics i	n pure mathematics as agreed	l upon with the e	examiner. Each topic may only be		
				selec	selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).						

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10-M-DILO-Ü-232-	Overvie	w Discr	ete Math	ematio	s and Logic						
m01	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5		V (4) -	+ Ü (2)				·		
	Method	l of asse	essment	oral e Asses	oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be						
				selected as the subject of one examination in the sub-fields Gesamtüberblick (Overview).							
10-M-LOZT-Ü-232-	Overvie	w Logic	and Nun	nber Tł	neory						
mo1	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5	<u>,</u>	V (4) -	+ Ü (2)						
	Method	l of asse	essment	oral e Asses select Langu	ral examination of one candidate each (20 to 40 minutes) Assessment will have reference to two topics in pure mathematics as agreed upon with the examiner. Each topic may only be Belected as the subject of one examination in the sub-fields Gesamtüberblick (Overview). Banguage of assessment: German and/or English						
Compulsory Electives Application-oriented Subject (30 ECTS credits) Students must successfully complete modules worth 30 ECTS credits in a single one of the focuses listed below. In addition, students must successfully complete, in he area of mandatory electives application-oriented subject, modules with numerical grading worth no less than 15 ECTS credits, cf. Section 3 Subsection 2 Sentences 2 hrough 4 FSB (subject-specific provisions).											
Focus Biology (30 ECTS credits)											
Modules General B	iology I										
07-1A1Z-	The Pla	nt King	dom								
PF-152-m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		V (1.5) + Ü (2.5)						
	Method of assessment			written examination (approx. 60 minutes) creditable for bonus							
	other prerequisites			Admission prerequisite to assessment: exercises. Regular attendance of exercises (minimum 80%) and successful completi- on of the respective exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.							
07-1A1TI-152-m01	Evolutio	on and t	he Anima	al Kingdom							
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		V (2) ·	+ Ü (3)						
	Method of assessment			writte credit	written examination (approx. 60 minutes) creditable for bonus						
	other p	rerequis	sites	Admis ses (a	ssion prerequisite t pprox. 25 to 30 ho	o assessment: exerci urs) are prerequisites	ses. Regular attendance for admission to asses	ce (minimum 80%) and ssment.	successful completion of exerci-		
	Referre	d to in L	PO I	§ 41 § 61	§ 41 Nr. 1 (4 ECTS credits) and § 41 Nr. 4 (1 ECTS credits) § 61 Nr. 1 (4 ECTS credits) and § 61 Nr. 4 (1 ECTS credits)						

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Modules General B	iology II								
07-2A2PHYPF-152-	Plant Physiolog	зу							
m01	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (1) +	· Ü (2)					
	Method of asse	ssment	written examination (approx. 60 minutes)						
		:+	Creditable for Donus						
	other prerequis	ites	ses (a	ses (approx. 25 to 30 hours) are prerequisites for admission to assessment.					
	Referred to in L	PO I	§ 61 l	§ 61 Nr. 2					
07-2A2PHY-	Animal Physiol	ogy							
II-152-m01	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (1) +	(1) + U (2)					
	Method of asse	ssment	writte credit	written examination (approx. 60 minutes) creditable for bonus					
	other prerequis	ites	Admis ses (a	Admission prerequisite to assessment: exercises. Regular attendance (minimum 80%) and successful completion of exerci- ses (approx. 25 to 30 hours) are prerequisites for admission to assessment.					
	Referred to in L	PO I	§ 41 § 61	§ 41 Nr. 2 § 61 Nr. 2					
07-2A2GEN-	Genetics, Neuro	obiology	, Behav	/iour					
V-152-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (3)						
	Method of asse	ssment	written examination (approx. 60 to 90 minutes) creditable for bonus						
	other prerequis	ites	Admission prerequisite to assessment: exercises. Regular attendance (minimum 80%) and successful completion of exerci- ses (approx. 25 to 30 hours) are prerequisites for admission to assessment.						
	Referred to in LPO I		§ 61 Nr. 2 (2 ECTS credits) § 61 Nr. 3 (1 ECTS credits) § 61 Nr. 4 (1 ECTS credits)						
Modules General B	iology III								
07-3A3EBIO-	Developmental	Biology	of Anin	nals					
Tl-152-m01	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V (1) +	· Ü (3)					
	Method of asse	ssment	writte credit	n examination (app able for bonus	rox. 60 minutes)				
	other prerequis	ites	Admis ses (a	sion prerequisite to	o assessment: exercis rs) are prerequisites	ses. Regular attendance (m for admission to assessme	inimum 80%) and s	successful completion of exerci-	
	Referred to in L	PO I	§ 61 l	Nr. 5					

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07-3A3E-	Devel	opmenta	l Biology	of Plants							
BIOPF-152-m01	ECTS	4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Cours	es		V (1) +	V (1) + Ü (3)						
	Metho	od of ass	essment	written examination (approx. 60 minutes) creditable for bonus							
	other	prerequi	sites	Admis ses (a	Admission prerequisite to assessment: exercises. Regular attendance (minimum 80%) and successful completion of exerci- ses (approx. 25 to 30 hours) are prerequisites for admission to assessment.						
	Refer	red to in l	PO I	§ 61 l	§ 61 Nr. 5						
07-3A30E-	Plant	and Anin	nal Ecolog	gy							
KO-152-m01	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Cours	es	-	V (2) ·	$(2) + \ddot{U}(2)$						
	Method of assessment			writte credit	written examination (approx. 90 minutes) creditable for bonus						
	Refer	red to in l	PO I	§ 61 l	Nr. 4						
07-3A3GEM-	Gene	s, Molecı	iles, Tech	nologi	es						
T-152-m01	ECTS	6	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V (4)	V (4)						
	Method of assessment			written examination (approx. 90 minutes) creditable for bonus							
07-3A3BC-152-m01	Basic	Biochem	istry								
	ECTS	4	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Cours	es		V (1) + Ü (2)							
	Method of assessment			written examination (approx. 60 minutes) creditable for bonus							
	other	prerequi	sites	Admis on of	ssion prerequisite to the respective exerc	assessment: exercis ises (approx. 25 to 3	ses. Regular attendance of exe o hours) are prerequisites for	ercises (minimur admission to as	n 80%) and successful completi- sessment.		
Modules Mathema	tics/Q	uantitativ	ve Biology	/							
07-M-BST-152-m01	Math	ematical	Biology a	nd Bio	statistics						
	ECTS	4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Cours	es		V (2) ·	+ Ü (2)	•		•	•		
	Method of assessment				written examination (approx. 60 minutes) creditable for bonus						

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Modules General B	iology I\	/									
07-4A4FLO-152-	The Flo	ra of Ge	rmany								
m01	ECTS	7	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (1) +	V (1) + Ü (2) + E (2.5)						
	Method of assessment written examination (approx. 45 minutes) and practical identification assignment (approx. 45 minutes), weighted 1:1 Assessment offered: Once a year, summer semester creditable for bonus										
	other p	rerequis	sites	Modu ness I stems 180 E	les 12-NW-EBWL and Management and Ecc) Bachelor's (BSc wi CTS credits).	l 12-NW-EVWL are no onomics) Bachelor's th 180 ECTS credits)	t open for students of the follov (BSc with 180 ECTS credits), Wi and Wirtschaftsmathematik (M	ving subjects: V irtschaftsinform athematics for l	Virtschaftswissenschaft (Busi- atik (Business Information Sy- Economics) Bachelor's (BSc with		
	Particip cation o	oants an of place	id allo- s	180 pl prefer ted by the sa	aces. Students appl ential consideration v lot as they become me procedure.	ying after not having . The remaining plac available. Places on	successfully completed assess es will be allocated by lot. A wa all courses of the module with	sment in the pa iting list will be a restricted nur	st two semesters will be given maintained and places re-alloca- nber of places will be allocated in		

07-4A4FAU-152-	The	Fauna of G	iermany									
m01	ECTS	S 7	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Cou	rses	<u>.</u>	V (1) +	Ü (2) + E (2.5)	•	•					
	Met	hod of ass	essment	writte	written examination (approx. 45 minutes) and practical identification assignment (approx. 45 minutes), weighted 1:1							
				Asses	sment offered: Onc	e a year, summer sei	nester					
				credit	creditable for bonus							
	other prerequisites				Admission prerequisite to assessment: regular attendance of field trips (minimum 80%) and completion of exercises. Regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours) is a							
		· · · ·	1 11	prerec	quisite for admissio	n to assessment.						
	Part	icipants ar	nd allo- es	180 pl Shoul Stude Shoul chelor locate degree cation availa quota form r conce least of A wait Select ments rage g cludin lows: dits (c applic ding t king o Select numb the sa sters o lot. Qu Shoul	aces. d the number of ap nts of the Bachelor' d the module be us 's degree subject B d to students of the e subjects Computa -oriented subject B ble in one quota ex . Should there be, v egulation for the co rned will be allocate one other module co ing list will be main ion process group a s. For this purpose, a rade of all assessm g Chemie (Chemist First, applicants wil ualitative ranking) ants' position in a to o this third ranking. r otherwise by lot. ion process group a er of ECTS credits al me number of ECTS of the respective ap uota 3 (25 % of plac d the module be us according to the se	plications exceed the 's degree subject Bio ed in other subjects, iologie (Biology) with e Bachelor's degree s itional Mathematics iology (as well as po ceed the number of a vithin one module co urses of one module ed in the same proce omponent of the resp itained and places re (95%): Places will be rangents taken during th ry), Physik (Physics), l be ranked, firstly, a and, secondly, accor third ranking will be e Among applicants will be credits achieved in m 5 credits achieved in m 6 credits achieved in m 7 credits achieved in m 8 credits achieved in m 8 credits achieved in m 9 credits achieves of	e number of available pl logie (Biology) with 180 there will be two quota a 180 ECTS credits and g ubject Biologie (Biology and Mathematik (Mathe tentially to students of of applications, the remain mponent, several cours component. In this cas dure. In this procedure, bective module will be g -allocated as they beco rimarily be allocated ac ked according to the mod ked according to the mod Mathematik (Mathema cording to their averag ding to their total numb calculated as the sum o with the same ranking, p e allocated according to odules/module compon aces will be allocated b cants with the same nu lor's degree subject Bio Dup 1.	laces, places will be allo b ECTS credits will be give as: 95% of places will be 5% of places (a minimury) with 60 ECTS credits a ematics), each with 180 other 'importing' subject ning places will be alloct ses with a restricted nur se, places on all courses , applicants who alread given preferential considered and the available. ccording to the applicant umber of ECTS credits the dule components in the atics)) at the time of app ge grade weighted accord one of ECTS credits achies of these two rankings, are places will be allocated the following quotas: Contents of the Faculty of E output of subject semest places (Biology) with 180	bocated as follows: yeen preferential consideration. a allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- ts). Should the number of places ated to applicants from the other nber of places, there will be a uni- of a module component that are y have successfully completed at deration. ts' previous academic achieve- ney have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- rding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total biology; among applicants with places): number of subject seme- ters, places will be allocated by PECTS credits, places will be allo-			

Modules Special B	iosciences l			
07-4S1N-	Neurobiology 1			
V01-152-m01	ECTS 5 Duratio	n 1 semester	Method of grading numerical grade	Modul level undergraduate
	Courses	Ü (4) + S (1)		
	Method of assessment	a) written examination b) log (approx, 10 to 20	(approx. 45 to 60 minutes) or	
		c) oral examination of c	one candidate each (approx. 30 minutes) or	
		d) oral examination in §	groups of up to 3 candidates (approx. 20 minutes	per candidate) or
		f) presentation (approx	n (on average approx, 2 hours: time to complete v	will vary according to subject area but will not exceed a
		maximum of 4 hours).		
		Students will be inform creditable for bonus	ied about the method and length of the assessme	ent prior to the course.
	Participants and allo-	20 places.		
	cation of places	Should the number of a	applications exceed the number of available plac	es, places will be allocated as follows:
		Students of the Bacheli	used in other subject Biologie (Biology) with 180 EC	os% of places will be allocated to students of the Ba-
		chelor's degree subject	t Biologie (Biology) with 180 ECTS credits and 5%	of places (a minimum of one place in total) will be al-
		located to students of t	the Bachelor's degree subject Biologie (Biology) v	with 60 ECTS credits and to students of the Bachelor's
		cation-oriented subject	t Biology (as well as potentially to students of oth	ier 'importing' subjects). Should the number of places
		available in one quota	exceed the number of applications, the remainin	g places will be allocated to applicants from the other
		quota. Should there be	, within one module component, several courses	with a restricted number of places, there will be a uni-
		concerned will be alloc	ated in the same procedure. In this procedure, at	pplicants who already have successfully completed at
		least one other module	e component of the respective module will be give	en preferential consideration.
		A waiting list will be ma	aintained and places re-allocated as they become in 1 (05%): Places will primarily be allocated acco	available.
		ments. For this purpose	e, applicants will be ranked according to the num	ber of ECTS credits they have achieved and their ave-
		rage grade of all assess	sments taken during their studies or of all module	e components in the subject of Biologie (Biology) (ex-
		lows: First, applicants v	will be ranked, firstly, according to their average s	grade weighted according to the number of ECTS cre-
		dits (qualitative ranking	g) and, secondly, according to their total number	of ECTS credits achieved (quantitative ranking). The
		applicants' position in	a third ranking will be calculated as the sum of th	nese two rankings, and places will be allocated accor-
		king or otherwise by lo	t.	Les will be allocated according to the qualitative ran-
		Selection process grou	p 2 (5%): Places will be allocated according to th	e following quotas: Quota 1 (50 % of places): total
		number of ECTS credits	already achieved in modules/module componer	nts of the Faculty of Biology; among applicants with
		sters of the respective	applicant; among applicants with the same number	per of subject semesters, places will be allocated by
		lot. Quota 3 (25 % of pl	laces): lottery.	
		Should the module be cated according to the	used only in the Bachelor's degree subject Biolog selection process of group 1.	gie (Biology) with 180 ECTS credits, places will be allo-

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07-4S1N-	Integrative Be	havioral l	Biology 1						
VO2-152-m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V (2)	+ S (2)					
	Method of as	sessment	 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) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according 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. 						
	Participants a cation of plac	nd allo- es	20 pl Shou Stud Shou cheld locat degre catio avail quota form conc least A wa Selec ment rage cludi lows dits (appli ding king Selec numl the s sters lot. C Shou	laces. Ild the number of a ents of the Bachelo ild the module be a br's degree subject ed to students of t ee subjects Compu- n-oriented subject able in one quota a. Should there be regulation for the erned will be alloca- one other module iting list will be ma- ction process group grade of all assess ng Chemie (Chemi First, applicants v (qualitative ranking icants' position in to this third ranking icon process group ber of ECTS credits ame number of ECC of the respective a Quota 3 (25 % of pla- ild the module be a	applications exceed the number of available plac or's degree subject Biologie (Biology) with 180 EC used in other subjects, there will be two quotas: Biologie (Biology) with 180 ECTS credits and 5% he Bachelor's degree subject Biologie (Biology) witational Mathematics and Mathematik (Mathem Biology (as well as potentially to students of oth exceed the number of applications, the remainin , within one module component, several courses courses of one module component. In this case, ated in the same procedure. In this procedure, ap component of the respective module will be give intained and places re-allocated as they become p 1 (95%): Places will primarily be allocated acco e, applicants will be ranked according to the num sments taken during their studies or of all module stry), Physik (Physics), Mathematik (Mathematic vill be ranked, firstly, according to their average g g) and, secondly, according to their total number a third ranking will be calculated as the sum of the g. Among applicants with the same ranking, place p 2 (5%): Places will be allocated according to the already achieved in modules/module componer TS credits achieved, places will be allocated by le applicant; among applicants with the same numb aces): lottery. used only in the Bachelor's degree subject Biolog selection process of group 1.	es, places will be allo CTS credits will be giv 95% of places will be of places (a minimur with 60 ECTS credits a atics), each with 180 per 'importing' subjec g places will be alloc with a restricted num places on all courses oplicants who already en preferential conside e available. rding to the applican ber of ECTS credits the components in the s)) at the time of app grade weighted accor of ECTS credits achies two rankings, ar ces will be allocated a e following quotas: Q nts of the Faculty of B ot. Quota 2 (25 % of p per of subject semest gie (Biology) with 180	becated as follows: een preferential consideration. a allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- ts). Should the number of places ated to applicants from the other mber of places, there will be a uni- of a module component that are y have successfully completed at leration. ts' previous academic achieve- ney have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- ding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- quota 1 (50 % of places): total iology; among applicants with places): number of subject seme- ers, places will be allocated by ECTS credits, places will be allo-		

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07-4S1N-	Functio	Functional Morphology of Arthropods											
V03-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	:S		V (1) +	V (1) + Ü (5)								
	Metho	d of ass	essment	term paper (approx. 5 to 10 pages) creditable for bonus									
	Particip	pants ar	ıd allo- s	20 pla Shoul Stude Shoul chelo locate degre cation availa quota form i conce least A wai Selec ments rage g cludin lows: dits (i applie ding t king o Selec numb the sa sters lot. Q Shoul cated	able for bonus aces. Id the number of app ents of the Bachelor' Id the module be use r's degree subject B ed to students of the es subjects Computa h-oriented subject B able in one quota exe able in one quota exe and one quota exe able in one quota exe according to the se	plications exceed the number of available plats degree subject Biologie (Biology) with 180 I ed in other subjects, there will be two quotas biologie (Biology) with 180 ECTS credits and 56 e Bachelor's degree subject Biologie (Biology) ational Mathematics and Mathematik (Mather iology (as well as potentially to students of or ceed the number of applications, the remaini within one module component, several course ourses of one module component. In this case ed in the same procedure. In this procedure, a component of the respective module will be given and places re-allocated as they become (95%): Places will primarily be allocated according to the number of applications of all module ry), Physik (Physics), Mathematik (Mathematil be ranked, firstly, according to their average and, secondly, according to their total number of applicants with the same ranking, plates will be allocated according to the same of applicants with the same ranking, plates will be allocated by plicant; among applicants with the same number of applicants of group 1.	aces, places will be allo ECTS credits will be give 5: 95% of places will be amatics), each with 180 ther 'importing' subject ing places will be alloc es with a restricted nur e, places on all courses applicants who alread ven preferential consist ne available. cording to the applicant mber of ECTS credits that alle components in the ics)) at the time of apple e grade weighted accord er of ECTS credits achies these two rankings, ar aces will be allocated the following quotas: C ents of the Faculty of E v lot. Quota 2 (25 % of nber of subject semest ogie (Biology) with 180	ocated as follows: yen preferential consideration. a allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- its). Should the number of places ated to applicants from the other mber of places, there will be a uni- s of a module component that are y have successfully completed at deration. ts' previous academic achieve- hey have achieved and their ave- subject of Biologie (Biology) (ex- dication. This will be done as fol- rding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total Biology; among applicants with places): number of subject seme- ters, places will be allocated by o ECTS credits, places will be allo-					

07-4S1N-	Biology and E	cology of	Arthropods						
V05-152-m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		Ü (4)	+ S (1)					
	Method of ass	sessment	 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) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according 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. 						
	Participants a cation of plac	nd allo- es	15 pla Shou Stude Shou cheld locat degre catio avail quota form conce least A wa Selec ment rage cludi lows: dits (appli ding king Selec numl the s sters lot. C Shou cate	aces. Ild the number of a ents of the Bachelo ild the module be a or's degree subject ed to students of t es subjects Compu- n-oriented subject able in one quota a. Should there be regulation for the erned will be alloca one other module iting list will be ma ction process group s. For this purpose grade of all assess ng Chemie (Chemi First, applicants v qualitative ranking cants' position in to this third ranking or otherwise by lot ction process group ber of ECTS credits ame number of EC of the respective a Quota 3 (25 % of pla ild the module be a	applications exceed the number of available plac or's degree subject Biologie (Biology) with 180 EC used in other subjects, there will be two quotas: Biologie (Biology) with 180 ECTS credits and 5% he Bachelor's degree subject Biologie (Biology) witational Mathematics and Mathematik (Mathem Biology (as well as potentially to students of oth exceed the number of applications, the remainin , within one module component, several courses courses of one module component. In this case, ated in the same procedure. In this procedure, ap component of the respective module will be give intained and places re-allocated as they become p 1 (95%): Places will primarily be allocated acco e, applicants will be ranked according to the num sents taken during their studies or of all module stry), Physik (Physics), Mathematik (Mathematic vill be ranked, firstly, according to their average g g) and, secondly, according to their total number a third ranking will be calculated as the sum of the g. Among applicants with the same ranking, place p 2 (5%): Places will be allocated according to the already achieved in modules/module component TS credits achieved, places will be allocated by l applicant; among applicants with the same numb aces): lottery. used only in the Bachelor's degree subject Biolog selection process of group 1.	es, places will be allo CTS credits will be giv 95% of places will be of places (a minimum with 60 ECTS credits a atics), each with 180 per 'importing' subject g places will be alloc with a restricted num places on all courses pplicants who already en preferential conside e available. rding to the applican aber of ECTS credits the e components in the s)) at the time of app grade weighted accor of ECTS credits achies nese two rankings, ar ces will be allocated a e following quotas: C nts of the Faculty of B ot. Quota 2 (25 % of poer of subject semest gie (Biology) with 180	pocated as follows: ren preferential consideration. a allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- ts). Should the number of places ated to applicants from the other nber of places, there will be a uni- of a module component that are y have successfully completed at deration. ts' previous academic achieve- ney have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- ding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total iology; among applicants with places): number of subject seme- ters, places will be allocated by ECTS credits, places will be allo-		

Bachelor's with 1 major Mathematics (2015)	JMU Würzburg • generated 18-Apr-2025 • exam. reg. data record 82 105 - - H 2015	page 30 / 70

07-4S1M-	Basic	asics in Light- and Electron-Microscopy											
Z1-152-m01	ECTS	5	Duratior	1	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Cours	ses		V (1) +	V (1) + Ü (5)								
	Meth	od of asse	essment	written examination (approx. 30 to 60 minutes) creditable for bonus									
	Partio	cipants an n of place	d allo- s	18 pla Shoul Stude Shoul chelo locate degre cation availa quota form r conce least A wait Select ments rage g cludir lows: dits (c applic ding t king c Select numb the sa sters lot. Qi	d the number of app and the number of app and the module be use r's degree subject Bi ed to students of the e subjects Computa -oriented subject Bi able in one quota exe . Should there be, w regulation for the con- red will be allocate one other module co- ting list will be main- tion process group 1 s. For this purpose, a grade of all assessm g Chemie (Chemistri First, applicants will qualitative ranking) a cants' position in a t o this third ranking; or otherwise by lot. tion process group 2 er of ECTS credits al ame number of ECTS of the respective app uota 3 (25 % of place d the module be use according to the sel	blications exceed the number of available places, p s degree subject Biologie (Biology) with 180 ECTS cre ed in other subjects, there will be two quotas: 95% iologie (Biology) with 180 ECTS credits and 5% of pl Bachelor's degree subject Biologie (Biology) with 6 tional Mathematics and Mathematik (Mathematics) iology (as well as potentially to students of other 'in ceed the number of applications, the remaining pla- <i>v</i> ithin one module component, several courses with urses of one module component. In this case, place ed in the same procedure. In this procedure, applica- tained and places re-allocated as they become avail (95%): Places will primarily be allocated according applicants will be ranked according to the number of ents taken during their studies or of all module com- ry), Physik (Physics), Mathematik (Mathematics)) at l be ranked, firstly, according to their average grade and, secondly, according to their total number of EC hird ranking will be calculated as the sum of these Among applicants with the same ranking, places w e (5%): Places will be allocated according to the folle ready achieved in modules/module components of credits achieved, places will be allocated by lot. Qu plicant; among applicants with the same number of es): lottery. ed only in the Bachelor's degree subject Biologie (B lection process of group 1.	laces will be all redits will be giv of places will be aces (a minimu to ECTS credits), each with 180 nporting' subject ces will be alloct a restricted nur es on all courses ants who alread eferential consider the applicant of ECTS credits the the time of app weighted account TS credits achies two rankings, and ill be allocated owing quotas: C the Faculty of E uota 2 (25 % of subject semest iology) with 180	ocated as follows: yen preferential consideration. e allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- its). Should the number of places ated to applicants from the other mber of places, there will be a uni- s of a module component that are y have successfully completed at deration. Its' previous academic achieve- hey have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- rding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total Biology; among applicants with places): number of subject seme- ters, places will be allocated by o ECTS credits, places will be allo-					

07-4S1M-	Analy	alysis of Chromosomes											
Z2-152-m01	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Cours	ses		V (1) +	V (1) + Ü (5)								
	Meth	od of asse	essment	writte	n examination (app	rox. 30 to 60 minutes)							
				creditable for bonus									
	Partio	cipants an n of place	d allo- s	18 pla Shoul Stude Shoul chelo locate degre catior availa quota form r conce least o A wait Select ments rage g cludir lows: dits (c applic ding t king o Select numb the sa sters o lot. Qu	d the number of ap ints of the Bachelor d the module be us r's degree subject B ed to students of the e subjects Computa -oriented subject B ible in one quota ex . Should there be, v regulation for the co red will be allocat one other module co ting list will be main tion process group a s. For this purpose, a grade of all assessm ing Chemie (Chemist First, applicants will qualitative ranking) cants' position in a to o this third ranking. or otherwise by lot. tion process group a er of ECTS credits a me number of ECTS of the respective ap uota 3 (25 % of place d the module be us according to the se	plications exceed the number of available places, p 's degree subject Biologie (Biology) with 180 ECTS of ed in other subjects, there will be two quotas: 95% biologie (Biology) with 180 ECTS credits and 5% of p e Bachelor's degree subject Biologie (Biology) with ational Mathematics and Mathematik (Mathematics iology (as well as potentially to students of other 'in ceed the number of applications, the remaining plat within one module component, several courses with ourses of one module component. In this case, place ed in the same procedure. In this procedure, applic component of the respective module will be given pro- tained and places re-allocated as they become avan (95%): Places will primarily be allocated according applicants will be ranked according to the number of ents taken during their studies or of all module cor- ry), Physik (Physics), Mathematik (Mathematics)) a' I be ranked, firstly, according to their average grade and, secondly, according to their total number of Et- third ranking will be calculated as the sum of these . Among applicants with the same ranking, places v 2 (5%): Places will be allocated according to the fol Iready achieved in modules/module components of 5 credits achieved, places will be allocated by lot. Q plicant; among applicants with the same number of ees): lottery. ed only in the Bachelor's degree subject Biologie (E lection process of group 1.	laces will be all redits will be giv of places will be laces (a minimu 60 ECTS credits), each with 180 nporting' subject ces will be alloct a restricted nur es on all courses ants who alread eferential consid- ilable. g to the applican of ECTS credits to nponents in the t the time of app e weighted account two rankings, and will be allocated owing quotas: C f the Faculty of E uota 2 (25 % of f subject semesi Biology) with 180	ocated as follows: yen preferential consideration. e allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- cts). Should the number of places ated to applicants from the other mber of places, there will be a uni- s of a module component that are y have successfully completed at deration. ts' previous academic achieve- hey have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- rding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total Biology; among applicants with places): number of subject seme- ters, places will be allocated by o ECTS credits, places will be allo-					

Meth	ods in Bic	otechnolo	gy						
ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate		
Cours	ses		V (2) ·	V (2) + S (2)					
Meth	od of asse	essment	writte	written examination (approx. 30 to 60 minutes) creditable for bonus					
Dartic	inante an								
Partic	ipants an n of place	d allo- s	25 pla Shoul Stude Shoul chelo locate degre catior availa quota form i conce least A wai Selecc ments rage g cludir lows: dits (c applid ding t king c Selecc numb the sa sters lot. Q Shoul	aces. Id the number of ap ents of the Bachelor Id the module be us r's degree subject E ed to students of the e subjects Computa- noriented subject E able in one quota ex- bable in one quota ex- bable in one quota ex- subjects Computa- able in one quota ex- bable in one quota ex- subjects Computa- ex- regulation for the co- ex- regulation for the co- string list will be main tion process group ex- of the respective ap- uota 3 (25 % of place id the module be us- tion process in the co- string list will be allocated the module be us- the module	pplications exceed the number of available places, p 's degree subject Biologie (Biology) with 180 ECTS Sed in other subjects, there will be two quotas: 95% Biologie (Biology) with 180 ECTS credits and 5% of p e Bachelor's degree subject Biologie (Biology) with ational Mathematics and Mathematik (Mathematics Biology (as well as potentially to students of other 'i acceed the number of applications, the remaining pla within one module component, several courses with ourses of one module component. In this case, place ted in the same procedure. In this procedure, applic component of the respective module will be given p ntained and places re-allocated as they become ava 1 (95%): Places will primarily be allocated accordin applicants will be ranked according to the number nents taken during their studies or of all module co try), Physik (Physics), Mathematik (Mathematics)) a ll be ranked, firstly, according to their average grad and, secondly, according to their total number of E third ranking will be calculated as the sum of these . Among applicants with the same ranking, places v 2 (5%): Places will be allocated according to the fol llready achieved in modules/module components of S credits achieved, places will be allocated by lot. C oplicant; among applicants with the same number of ces): lottery.	places will be all credits will be give of places will be places (a minimu 60 ECTS credits s), each with 180 mporting' subject aces will be alloc h a restricted numers cants who alread referential consi- ailable. g to the applicar of ECTS credits to mponents in the the time of apple e weighted acco CCTS credits achi- e two rankings, a will be allocated llowing quotas: (of the Faculty of Faculty of Faculty of Faculty of Faculty of subject semes Biology) with 180	ocated as follows: ven preferential consideration. e allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- cts). Should the number of places cated to applicants from the other mber of places, there will be a uni- s of a module component that are ly have successfully completed at deration. hts' previous academic achieve- hey have achieved and their ave- subject of Biologie (Biology) (ex- olication. This will be done as fol- rding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total Biology; among applicants with places): number of subject seme- ters, places will be allocated by o ECTS credits, places will be allo-		
	Meth ECTS Cours Meth Partic cation	Methods in Bic ECTS 5 Courses Method of asse Participants an cation of place	Methods in Biotechnolo ECTS 5 Duration Courses	Methods in BiotechnologyECTS5DurationCoursesV (2) -Method of assessmentwritte creditParticipants and allo- cation of places25 pla Shoul Shoul chelo locate degre cationShoulStude shoul chelo locate degre cationA waii Selec ments rage g cludin lows: dits (d applid ding t king c Selec numb the sa sters lot. Q Shoul cated	Methods in BiotechnologyECTS5Duration1 semesterCoursesV (2) + S (2)Method of assessmentwritten examination (app. creditable for bonusParticipants and allo- cation of places25 places. Should the number of ap Students of the Bachelor Should the module be us chelor's degree subjects Comput. cation-oriented subject E available in one quota ex quota. Should there be, y form regulation for the co- concerned will be allocat least one other module co- A waiting list will be main Selection process group ments. For this purpose, rage grade of all assess cluding Chemie (Chemisti lows: First, applicants wi dits (qualitative ranking) applicants' position in a ding to this third ranking king or otherwise by lot. Selection process group number of ECTS credits a the same number of ECTS sters of the respective ap lot. Quota 3 (25 % of plac Should the module be us cated according to the set	Methods in Biotechnology ECTS 5 Duration 1 semester Method of grading numerical grade Courses V (2) + S (2) Method of assessment written examination (approx. 30 to 60 minutes) creditable for bonus Participants and allo- cation of places 25 places. Should the number of applications exceed the number of available places, Students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS Should the module be used in other subjects, there will be two quotas: 95% chelor's degree subject Biologie (Biology) with 180 ECTS credits and 5% of plocated to students of the Bachelor's degree subject Biologie (Biology) with degree subjects Computational Mathematics and Mathematic cation-oriented subject Biology (as well as potentially to students of other 'i available in one quota exceed the number of applications, the remaining pl quota. Should there be, within one module component. In this case, plac concerned will be allocated in the same procedure. In this procedure, applic least one other module component of the respective module will be given p A waiting list will be maintained and places re-allocated as they become av Selection process group 1 (95%): Places will primarily be allocated accordin ments. For this purpose, applicants will be ranked according to the number rage grade of all assessments taken during their studies or of all module co cluding Chemie (Chemistry), Physik (Physics), Mathematik (Mathematics) a lows: First, applicants will be ranked, firstly, according to their otal number of applicants' position in a third ranking will be calculated as the sum of these ding to this third ranking. Among applicants with the same ranking, places king or otherwise by lot.	Methods in Biotechnology ECTS 5 Duration 1 semester Method of grading numerical grade Modul level Courses V (2) + S (2) Valente examination (approx. 30 to 60 minutes) Creditable for bonus Creditable for bonus Participants and allocation of places 25 places. Should the number of applications exceed the number of available places, places will be allocated to students of the Bachelor's degree subject Biologie (Biology) with 480 ECTS credits will be git Should the module be used in other subjects, there will be two quotas: 95% of places (a minmu located to students of the Bachelor's degree subject Biologie (Biology) with 60 ECTS credits degree subject Biologie (Biology) with 60 ECTS credits degree subject Biologie (Biology) with 60 ECTS credits usibe cation-oriented subject Biology (as well as potentially to students of other 'importing' subject available in one quota exceed the number of applications, the remaining places will be alloquota. Should there be, within one module component. In this procedure, applicants who alread least one other module component of the respective module will be given preferential consi. A waiting list will be allocated in the same procedure. In this procedure, applicants who alread least one other module component of the respective module will be given preferential consi. A waiting list will be maintained and places re-allocated as cording to the applicart ments. For this purpose, applicants will be ranked according to the unmber of ECTS credits and plocast or fall module components in the cluding Chemis (Chemistry), Physik (Physics), Mathematik (Mathematics)) at the time of applows. First, applicants will be ranked, firstly, according to thei notheset wor		

07-4S1MOLB-152-	Aspe	ects of Mole	ecular Bi	iotechnology								
m01	ECTS	5 5	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Cour	rses		V (2) +	- S (2)							
	Meth	nod of asse	ssment	writte	written examination (approx. 30 to 60 minutes)							
				creditable for bonus								
	Parti	cipants and	d allo-	25 pla Should Should Should Chelor locate degree cation availa quota form r conce least of A wait Select ments rage g cludin lows: dits (of applic ding to king o Select numb the sa sters o lot. Qu Should cated	ces. d the number of app nts of the Bachelor's d the module be use 's degree subject Bi d to students of the e subjects Computat -oriented subject Bi ble in one quota exc . Should there be, w egulation for the cour rned will be allocate one other module co ing list will be maint ion process group 1 . For this purpose, a rade of all assessme g Chemie (Chemistr First, applicants will pualitative ranking) a ants' position in a th o this third ranking. r otherwise by lot. ion process group 2 er of ECTS credits all me number of ECTS of the respective app tota 3 (25 % of place d the module be use according to the sel	plications exceed the s degree subject Biolo ed in other subjects, t ologie (Biology) with Bachelor's degree su tional Mathematics a ology (as well as pote ceed the number of ap ithin one module con urses of one module con urses of one module con domponent of the respec- tained and places re- (95%): Places will pri applicants will be rank- ents taken during the y), Physik (Physics), <i>N</i> be ranked, firstly, ac and, secondly, accord hird ranking will be ca Among applicants wi (5%): Places will be a ready achieved in mo credits achieved, pla plicant; among applic es): lottery. ed only in the Bachelo ection process of gro	number of available places, pla ogie (Biology) with 180 ECTS cre- here will be two quotas: 95% of 180 ECTS credits and 5% of pla ubject Biologie (Biology) with 6 and Mathematik (Mathematics), entially to students of other 'im oplications, the remaining place apponent, several courses with component. In this case, places lure. In this procedure, applica- ective module will be given pre- allocated as they become avail imarily be allocated according ked according to the number of ir studies or of all module com Mathematik (Mathematics)) at cording to their average grade- ing to their total number of ECC alculated as the sum of these to the the same ranking, places wi allocated according to the follor dules/module components of ces will be allocated by lot. Qu ants with the same number of or's degree subject Biologie (Bi up 1.	aces will be allo edits will be giv of places will be aces (a minimum o ECTS credits a porting' subject es will be alloct a restricted nur s on all courses nts who already ferential consider able. to the applican f ECTS credits the ponents in the the time of app weighted accor TS credits achies wo rankings, ar Il be allocated a owing quotas: C the Faculty of B ota 2 (25 % of p subject semest ology) with 180	bocated as follows: Yen preferential consideration. a allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- ts). Should the number of places ated to applicants from the other nber of places, there will be a uni- of a module component that are y have successfully completed at deration. ts' previous academic achieve- ney have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- ding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total biology; among applicants with places): number of subject seme- ters, places will be allocated by DECTS credits, places will be allo-			

07-4S1M-	Spec	pecial Bioinformatics 1											
Z6-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Cours	ses		V (1) +	V (1) + Ü (5)								
	Meth	od of asse	essment	Log (approx. 10 to 20 pages)									
				credit	Language of assessment: German or English creditable for bonus								
	Partic	cipants an	id allo- s	20 pla Stude Shoul chelo locate degre catior availa quota form i conce least A wai Selec ments rage g cludir lows: dits (c applid ding t king c Selec numb the sa sters lot. Q Shoul cated	aces. Should the nu ints of the Bachelor' d the module be us r's degree subject B ed to students of the e subjects Computa horiented subject B able in one quota ex . Should there be, w regulation for the co rened will be allocate one other module co ting list will be main tion process group a s. For this purpose, a grade of all assessm of Chemie (Chemist First, applicants will qualitative ranking) cants' position in a t o this third ranking. or otherwise by lot. tion process group a er of ECTS credits al me number of ECTS of the respective ap uota 3 (25 % of plac d the module be us according to the se	mber of applications exceed the number of availables s degree subject Biologie (Biology) with 180 ECTS of ed in other subjects, there will be two quotas: 95% iologie (Biology) with 180 ECTS credits and 5% of p e Bachelor's degree subject Biologie (Biology) with 6 tional Mathematics and Mathematik (Mathematics iology (as well as potentially to students of other 'in ceed the number of applications, the remaining plat within one module component, several courses with urses of one module component. In this case, place ed in the same procedure. In this procedure, applic component of the respective module will be given pre- tained and places re-allocated as they become ava (95%): Places will primarily be allocated according applicants will be ranked according to the number of ents taken during their studies or of all module com- ry), Physik (Physics), Mathematik (Mathematics)) at l be ranked, firstly, according to their average grade and, secondly, according to their total number of EC third ranking will be calculated as the sum of these Among applicants with the same ranking, places w a (5%): Places will be allocated according to the foll ready achieved in modules/module components of credits achieved, places will be allocated by lot. Q plicant; among applicants with the same number of es): lottery. ed only in the Bachelor's degree subject Biologie (E lection process of group 1.	le places, places redits will be giv of places will be laces (a minimu 60 ECTS credits), each with 180 nporting' subject ces will be alloct a restricted nur es on all courses ants who alread eferential consid ilable. g to the applican of ECTS credits the ponents in the t the time of app e weighted accor CTS credits achie two rankings, an vill be allocated owing quotas: C f the Faculty of E uota 2 (25 % of f subject semesi Biology) with 180	will be allocated as follows: ven preferential consideration. e allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- its). Should the number of places ated to applicants from the other nber of places, there will be a uni- s of a module component that are y have successfully completed at deration. Its' previous academic achieve- hey have achieved and their ave- subject of Biologie (Biology) (ex- dication. This will be done as fol- rding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total Biology; among applicants with places): number of subject seme- ters, places will be allocated by o ECTS credits, places will be allo-					

07-4S1M-	Specific Meth	ods in Pro	teinbiochemistry and Cell Biology						
Z8-152-m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V (1) -	+ Ü (5)					
	Method of ass	sessment	 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) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according 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. 						
	Participants a cation of plac	nd allo- es	20 pla Shou Stude Shou chelo locate degre cation availa quota form conce least A wai Selec ments rage g cludin lows: dits (i applie ding t king o Selec numb the sa sters lot. Q Shou cated	acces. Id the number of a ents of the Bachelo Id the module be u r's degree subject ed to students of the es subjects Comput n-oriented subject able in one quota e a. Should there be, regulation for the c erned will be allocat one other module ting list will be mail tion process group s. For this purpose grade of all assess ing Chemie (Chemis First, applicants w qualitative ranking cants' position in a to this third ranking or otherwise by lot. tion process group ber of ECTS credits ame number of ECT of the respective a uota 3 (25 % of pla Id the module be u according to the s	pplications exceed the number of available place r's degree subject Biologie (Biology) with 180 ECC ised in other subjects, there will be two quotas: 9 Biologie (Biology) with 180 ECTS credits and 5% the Bachelor's degree subject Biologie (Biology) with tational Mathematics and Mathematik (Mathema Biology (as well as potentially to students of othe exceed the number of applications, the remaining within one module component, several courses fourses of one module component. In this case, p ted in the same procedure. In this procedure, ap component of the respective module will be give intained and places re-allocated as they become of (95%): Places will primarily be allocated accor , applicants will be ranked according to the numb ments taken during their studies or of all module stry), Physik (Physics), Mathematik (Mathematics rill be ranked, firstly, according to their average g) and, secondly, according to their total number of third ranking will be calculated as the sum of th g. Among applicants with the same ranking, place of 2 (5%): Places will be allocated according to the already achieved in modules/module component FS credits achieved, places will be allocated by lo pplicant; among applicants with the same numb methers): lottery. used only in the Bachelor's degree subject Biolog election process of group 1.	es, places will be allo TS credits will be giv of places will be of places (a minimur ith 60 ECTS credits a tics), each with 180 er 'importing' subjec g places will be alloc with a restricted num places on all courses plicants who already n preferential consic available. ding to the applican ber of ECTS credits th components in the)) at the time of app rade weighted accor of ECTS credits achie ese two rankings, ar es will be allocated a following quotas: Q ts of the Faculty of B t. Quota 2 (25 % of p er of subject semest ie (Biology) with 180	bocated as follows: en preferential consideration. allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- ts). Should the number of places ated to applicants from the other nber of places, there will be a uni- of a module component that are y have successfully completed at leration. ts' previous academic achieve- ney have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- ding to the number of ECTS cre- eved (quantitative ranking). The d places will be allocated accor- according to the qualitative ran- uota 1 (50 % of places): total iology; among applicants with places): number of subject seme- ers, places will be allocated by ECTS credits, places will be allo-		

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07-4S1PS2-152-	Meth	ods in Plant Ecophysiology										
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Cours	ses	_	Ü (4) ·	+ S (1)							
	Meth	od of asse	essment	Log (approx. 10 to 20 pages) creditable for bonus								
	Partio	cipants an n of place	ıd allo- s	15 pla Shoul Stude Shoul chelo locate degre cation availa form r conce least A wai Selec ments rage g cludir lows: dits (d applid ding t king c Selec numb the sa sters lot. Q Shoul cated	and the number of ap ents of the Bachelor and the module be us r's degree subject B ed to students of the e subjects Computa n-oriented subject B able in one quota ex subjects Computa able in one quota ex subjects Computa able in one quota ex subjects Computa and there be, v regulation for the co erned will be allocat one other module co ting list will be main tion process group a subject of all assessm and Chemie (Chemist First, applicants will qualitative ranking) cants' position in a f to this third ranking. For otherwise by lot. tion process group a subject of ECTS credits a ame number of ECTS of the respective ap uota 3 (25 % of place according to the se	plications exceed the number of available places, p 's degree subject Biologie (Biology) with 180 ECTS of ed in other subjects, there will be two quotas: 95% Biologie (Biology) with 180 ECTS credits and 5% of p e Bachelor's degree subject Biologie (Biology) with e ational Mathematics and Mathematik (Mathematics biology (as well as potentially to students of other 'in sceed the number of applications, the remaining pla within one module component, several courses with ourses of one module component. In this case, place ed in the same procedure. In this procedure, applic omponent of the respective module will be given pr ntained and places re-allocated as they become ava 1 (95%): Places will primarily be allocated according applicants will be ranked according to the number of nents taken during their studies or of all module com rry), Physik (Physics), Mathematik (Mathematics)) at Il be ranked, firstly, according to their average grade and, secondly, according to their total number of EC third ranking will be calculated as the sum of these . Among applicants with the same ranking, places w 2 (5%): Places will be allocated according to the foll lready achieved in modules/module components of 5 credits achieved, places will be allocated by lot. Q oplicant; among applicants with the same number of the same number of ces): lottery. eed only in the Bachelor's degree subject Biologie (E election process of group 1.	laces will be all redits will be giv of places will be laces (a minimu 50 ECTS credits), each with 180 nporting' subject ces will be alloct a restricted num es on all courses ants who alread eferential consi- ilable. g to the applicar of ECTS credits to nponents in the the time of apple weighted acco CTS credits achi- two rankings, a vill be allocated owing quotas: (f the Faculty of E uota 2 (25 % of f subject semes Biology) with 180	ocated as follows: ven preferential consideration. e allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- cts). Should the number of places cated to applicants from the other mber of places, there will be a uni- s of a module component that are y have successfully completed at deration. Ats' previous academic achieve- hey have achieved and their ave- subject of Biologie (Biology) (ex- olication. This will be done as fol- rding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- Quota 1 (50 % of places): total Biology; among applicants with places): number of subject seme- ters, places will be allocated by o ECTS credits, places will be allo-				

07-4S1PS3-152-	Pharmaceutica	al Drugs i	in Plants							
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		Ü (4)	+ S (1)						
	Method of ass	essment	 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) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according 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. 							
	Participants and cation of place	nd allo- es	15 pla Shou Stude Shou chelo locate degre cation availa quota form conce least A wai Selec ment rage g cludin lows: dits (appli ding t king o Selec numb the sa sters lot. Q Shou cated	aces. Id the number of ap ents of the Bachelor Id the module be us r's degree subject E ed to students of the esubjects Computa n-oriented subject E able in one quota ex a. Should there be, we regulation for the co erned will be allocat one other module of ting list will be main tion process group s. For this purpose, grade of all assessm ng Chemie (Chemist First, applicants wi qualitative ranking) cants' position in a to this third ranking or otherwise by lot. tion process group ber of ECTS credits a ame number of ECTS of the respective ap uota 3 (25 % of place according to the section ber of the sective ap	plications exceed the number of available places 's degree subject Biologie (Biology) with 180 ECT Sed in other subjects, there will be two quotas: 95 Biologie (Biology) with 180 ECTS credits and 5% o e Bachelor's degree subject Biologie (Biology) with ational Mathematics and Mathematik (Mathemat Biology (as well as potentially to students of other sceed the number of applications, the remaining within one module component, several courses w burses of one module component. In this case, pl eed in the same procedure. In this procedure, app omponent of the respective module will be given ntained and places re-allocated as they become a 1 (95%): Places will primarily be allocated accord applicants will be ranked according to the number ents taken during their studies or of all module of try), Physik (Physics), Mathematik (Mathematics)) Il be ranked, firstly, according to their average gra and, secondly, according to their total number of third ranking will be calculated as the sum of the . Among applicants with the same ranking, place 2 (5%): Places will be allocated according to the f lready achieved in modules/module components S credits achieved, places will be allocated by lot oplicant; among applicants with the same number ces): lottery. Sed only in the Bachelor's degree subject Biologie election process of group 1.	a, places will be allo S credits will be giv 9% of places will be f places (a minimu th 60 ECTS credits a ics), each with 180 i 'importing' subject places will be alloc ith a restricted nur aces on all courses licants who alread preferential consid vailable. ing to the applican er of ECTS credits the components in the at the time of app ade weighted accor f ECTS credits achies se two rankings, ar s will be allocated following quotas: C s of the Faculty of B . Quota 2 (25 % of p r of subject semest e (Biology) with 180	becated as follows: ren preferential consideration. a allocated to students of the Ba- m of one place in total) will be al- and to students of the Bachelor's ECTS credits, as part of the appli- ts). Should the number of places ated to applicants from the other nber of places, there will be a uni- of a module component that are y have successfully completed at deration. ts' previous academic achieve- ney have achieved and their ave- subject of Biologie (Biology) (ex- lication. This will be done as fol- ding to the number of ECTS cre- eved (quantitative ranking). The nd places will be allocated accor- according to the qualitative ran- guota 1 (50 % of places): total iology; among applicants with places): number of subject seme- ters, places will be allocated by ECTS credits, places will be allo-			

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07-S1-LP1-152-m01	Laboratory Pra	actical Co									
	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		P (5) Modu	P (5) Module taught in: German and/or English							
	o subject area but will se.	not exceed a									
	other prerequi	sites	Pleas	lease consult with course advisory service in advance.							
07-51-EX1-152-m01		Duration	<u></u>	1 semester	Method of grading	numerical grade	Modullevel	undergraduate			
		Duration	Γ F (2)	1 Semester	Method of glading	numencai grade	Modulievel	undergraduate			
	courses		Modu	Module taught in: German and/or English							
Method of assessment 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) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area maximum of 4 hours). Students will be informed about the method and length of the assessment prior to the course. creditable for bonus									not exceed a		
	other prerequi	sites	Please consult with course advisory service in advance.								
07-S1-IP1-152-m01	Interdisciplina	ary Project									
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		R (5) Module taught in: German and/or English								
	Method of ass	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) presentation (approx. 20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according 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 prerequi	sites	Pleas	e consult with cours	e advisory service in	advance.					
Bachelor's with 1 major N	Aathematics (2015)					JMU Würzburg • generated 18-Ap	or-2025 • exam. reg. data	record 82 105 - - H 2015	page 39 / 70		

Modules Special B	ioscienc	es II								
07-5EP-152-m01	Externa	al Practi	cal Cours	ie i						
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		P (1)						
				Module taught in: German and/or English						
	Metho	d of asse	essment	a) written examination (approx. 45 to 60 minutes) or						
				b) log (approx. 10 to 20 pages) or						
				d) oral examination of one candidate each (approx. 30 minutes) or						
				e) pre	sentation (approx. 2	to 30 minutes) or				
				f) pra	ctical examination (o	on average approx. 2	hours; time to complete will va	ry according to	subject area but will not exceed a	
				maximum of 4 hours).						
				Language of assessment: German and/or English						
				creditable for bonus						
	other prerequisites			Pleas	e consult with cours	e advisory service in	advance.			
07-S2-EX2-152-	Excursion II									
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		E (8) Module taught in: German and /or English						
	Metho	doface	comont	a) written examination (approx. 45 to 60 minutes) or						
	Metho	u 01 a550	Soment	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) presentation (approx. 20 to 30 minutes) or						
				i) practical examination (on average approx. 2 nours; time to complete will vary according 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.						
				Langu	age of assessment:	German and/or Engl	ish			
				credit	able for bonus					
	other p	orerequis	sites	Pleas	e consult with cours	e advisory service in	advance.			

07-S2-IP2-152-m01	Interdi	rdisciplinary Project II											
	ECTS	10	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	!S		R (8)	R (8) Medule taught in: Corman and /or English								
				Modu	a) written examination (approx. (c to (a minuted) or								
	Metho	d of asse	essment	a) wrii	tten examination (ap	prox. 45 to 60 minut	es) or						
				c) ora	l examination of one	candidate each (app	prox. 30 minutes) or						
				d) ora	d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 20 to 30 minutes) or) presentation (approx. 20 to 30 minutes) or								
				e) pre									
				maxin	num of 4 hours).	m average approx. 2	nours, time to complete will va		Subject area but will not exceed a				
				Stude	nts will be informed	about the method a	nd length of the assessment pr	ior to the course	2.				
Language of assessment: German and/or English													
	other prerequisites			Please	Please consult with course advisory service in advance.								
07-S2-LP2-152-	Labora	tory Pra	ctical Co	urse II									
m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	25		P (8)									
	AA (1			would laught in: German and/or English									
	Metho	d of asse	essment	b) log (approx, 10 to 20 pages) or									
				c) ora	l examination of one	candidate each (app	prox. 30 minutes) or						
				d) ora	l examination in gro	ups of up to 3 candic	lates (approx. 20 minutes per c	andidate) or					
				e) pre	sentation (approx. 2 stical examination (c	to to 30 minutes) or	hours, time to complete will va	ny according to	subject area but will not exceed a				
				maxin	num of 4 hours).		nours, time to complete will va		Subject area but will not exceed a				
				Stude	nts will be informed	about the method a	nd length of the assessment pr	ior to the course	2.				
				Language of assessment: German and/or English									
	other p	orerequis	sites	Please consult with course advisory service in advance.									
Focus Chemistry (3	o ECTS	credits)				·							
Compulsory (21 EC	rs credi	ts)											
o8-AC-Ex-	Experi	mental (Chemistry	,									
Chem-152-m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (4)									
	Method of assessment			writte	n examination (appr	ox. 90 minutes)	• 1						
				Language of assessment: German and/or English									

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08-0C1-152-m01	DC1-152-m01 Organic Chemistry 1											
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	es		V (3) +	V (3) + Ü (1)							
	Metho	d of ass	essment	a) wri	a) written examination (approx. 90 to 180 minutes) or							
				b) oral examination of one candidate each (20 to 30 minutes) or								
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or								
				e) pre) presentation (approx, 30 minutes)							
				Language of assessment: German and/or English								
	Additional Information			according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter b) of annex 1 to the APOLmCh and No. 2 of annex 2 to the APOLmCh								
	Referre	ed to in I	LPO I	§ 62 I	3 62 Nr. 2							
08-PC-QMS-	Princip	oles of q	uantum n	nechan	echanics and spectroscopy for engineering students							
FU-152-m01	ECTS	8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4) +	V (4) + U (2)							
	Metho	d of ass	essment	a) wri	tten examination (ap	pprox. 90 to 180 minu	tes) or					
				b) oral examination of one candidate each (20 to 30 minutes) or								
				d) log (approx. 20 pages) or								
				e) presentation (approx. 30 minutes)								
				Language of assessment: German and/or English								
				creditable for bonus								
08-TC-152-m01	Quantum Chemistry											
	ECTS	3	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	es .		V (2) + U (1)								
	Metho	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or								
				c) ora	l examination of one	e candidate each (20 uns of un to 2 candid	to 30 minutes) or	ner candidate) or				
				d) log (approx, 20 pages) or								
				e) presentation (approx. 30 minutes)								
				Language of assessment: German and/or English								
				credit	able for bonus							
	Referre	ed to in l	LPO I	§ 22	INr.1h)							
					Nr. 3 f)							
08-PC-QMS- FU-152-m01 08-TC-152-m01	Princip ECTS Course Metho ECTS Course Metho	um Cher	uantum n Duration essment Duration essment	lechan V (4) - a) writ b) ora c) ora d) log e) pre Langu credit V (2) - a) writ b) ora c) ora d) log e) pre Langu credit § 22 I § 22 I § 22 I	Its and spectroscop 1 semester + Ü (2) tten examination (approx. 20 pages) sentation (approx. 20 pages) sentation (approx. 3) lage of assessment: able for bonus 1 semester + Ü (1) tten examination (approx. 20 pages) sentation (approx. 20 pages) sentation (approx. 3) lage of assessment: able for bonus l examination in gro (approx. 20 pages) sentation (approx. 3) lage of assessment: able for bonus I Nr. 1 h) I Nr. 2 f) I Nr. 3 f)	Method of grading pprox. 90 to 180 minu e candidate each (20 ups of up to 3 candid or 30 minutes) German and/or Engli pprox. 90 to 180 minu e candidate each (20 ups of up to 3 candid or 30 minutes) German and/or Engli	aents numerical grade tes) or to 30 minutes) or ates (approx. 15 minutes sh numerical grade tes) or to 30 minutes) or ates (approx. 15 minutes sh	Modul level per candidate) or Modul level per candidate) or	undergraduate			

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Compulsory Electiv	ves (9 EC	TS cred	its)								
08-0C2-152-m01	Organi	c Chemi	stry 2 and	d analy	tical methods in or	ganic chemistry					
	ECTS	9	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (3) -	$(3) + \ddot{U}(1) + V(2)$						
	Metho	ethod of assessment			 a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 						
08-PC-TKE-152-	Thermo	odynam	ics, Kinet	ics, Ele	ics, Electrochemistry						
m01	ECTS	9	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4) -	+ Ü (2)						
	Method of assessmenta) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus										
	Referre	ed to in l	.PO I	§ 62 Nr. 1							
08-PC-SBL-152-	Symme	etry, che	emical bo	onding and light							
m01	ECTS	9	Duration	า	2 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (3) -	+ Ü (2) + V (2) + Ü (2)						
	Metho	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							

08-AS1-152-m01	Inorganic Chemistry of the Elements										
	ECTS 6	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	_	V (2)	+ V (2)							
	Method of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
	Additional Info	rmation	according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh								
	Referred to in L	.PO I	§ 62	§ 62 Nr. 1							
Focus Geography (30 ECTS credits))									
04-Geo-PG1Ex-152-	General Physic	al Geogra	aphy:	hy: Exogenic Dynamics - Geomorphology							
m01	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (3) Modu	√ (3) + T (1) Module taught in: German and/or English							
	Method of asse	essment	written examination (approx. 45 minutes) Language of assessment: German and/or English creditable for bonus								
	Referred to in L	.PO I	§ 47 § 66	Nr. 1 Nr. 1							
o4-Geo-	General Physical Geography: Endogenic Dynamics - Introduction to Geology										
PG1En-152-m01	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (3) + T (1) Module taught in: German and/or English								
	Method of asse	essment	written examination (approx. 45 minutes) Language of assessment: German and/or English creditable for bonus								
	Referred to in L	.PO I	§ 47 § 66	Nr. 1 Nr. 1							
04-Geo-PG1Kl-152-	General Physic	al Geogra	aphy: (Climate System							
m01	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (3) Module taught in: German and/or English								
	Method of asse	essment	writte Langı	n examination (app age of assessment:	rox. 45 minutes) German and/or Eng	lish					
	Referred to in L	.PO I	§ 47 § 66	Nr. 1 Nr. 1							

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04-Geo-HG1S-152-	General Hum	an Geogra	phy: In	troduction to the Ge	eography of Cities, Towns and Villages				
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V (3) Modu	V (3) Module taught in: German and/or English					
	Method of as	sessment	writte Langi	written examination (approx. 45 minutes) Language of assessment: German and/or English					
	Referred to in	1 LPO I	§ 47 § 66	§ 47 Nr. 1 § 66 Nr. 1					
04-Geo-HG1W-152-	General Hum	an Geogra	phy: In	troduction to Econo	mic Geography				
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V (3) Modu	/ (3) Module taught in: German and/or English					
	Method of as	sessment	writte Langı	written examination (approx. 45 minutes) Language of assessment: German and/or English					
	Referred to in	ו LPO I	§ 47 § 66	§ 47 Nr. 1 § 66 Nr. 1					
04-Geo-HG1B-152-	General Human Geography: Introduction to Social and Population Geography								
m01	ECTS 5 Duration		n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V (3) Module taught in: German and/or English						
	Method of assessment		written examination (approx. 45 minutes) Language of assessment: German and/or English						
	Referred to in	I LPO I	§ 47 Nr. 1 § 66 Nr. 1						
04-Geo-KART-152-	Cartography	and Geoin	format	ormation					
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		V (2) + T (2) Module taught in: German and/or English						
	Method of as	sessment	writte Langu credit	written examination (approx. 75 minutes) Language of assessment: German and/or English creditable for bonus					
	Referred to in	n LPO I	§66	Nr. 2					

04-Geo-FER-	Introdu	ction to	Geograp	hical F	nical Remote Sensing						
NE-152-m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		V (2) ·	V(2) + T(2)						
				Module taught in: German and/or English							
	Method	of ass	essment	written examination (approx. 45 minutes)							
				creditable for bonus							
	Referred	d to in l	POI	§ 66 I	Nr. 2				_		
04-Geo-FER-	Applica	tions o	f Remote	Sensir	ng in Geography						
NA-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		V (2) - Modu	V (2) + T (2) Module taught in: German and/or English						
	Method	of ass	essment	writte	n examination (ap	prox. 45 minutes)					
				Langu credit	Language of assessment: German and/or English creditable for bonus						
04-Geo-RG-V1-152-	Regional Geography - Lecture course 1										
m01	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V (2) Module taught in: German and/or English							
	Method of assessment			a) written examination (approx. 45 minutes) or							
				b) oral examination of one candidate each (approx. 15 minutes) or							
				Language of assessment: German and/or English							
	Referred to in LPO I			§ 47 l Nr. 2							
			1	§ 66 Nr. 1							
04-Geo-RG-V2-152-	Regiona	al Geog	raphy - Lo	acture course 2							
m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (2) Modu	le taught in: Germ	an and/or English						
	Method	of ass	essment	a) written examination (approx. 45 minutes) or							
				b) oral examination of one candidate each (approx. 15 minutes) or							
				Langu	lage of assessmen	it: German and/or Englis	sh	per candidate)			
	Referred to in LPO I			§ 47 Nr. 2 § 66 Nr. 1							

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Focus Computer Sc	ience (30 ECTS	6 credits)								
10-I-EinP-152-m01	Introduction t	to Program	ming							
	ECTS 5	Duratior	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (2) +	- Ü (2)						
	Method of ass	sessment	writter If anno of one date). credita	vritten examination (approx. 60 to 120 minutes). f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). creditable for bonus						
	Referred to in LPO I		§ 49 § 69	3 49 Nr. 1 b) 3 69 Nr. 1 b)						
10-I-ADS-152-m01	Algorithms ar	nd data str	uctures	5						
	ECTS 10	Duratior	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) +	- Ü (2)						
	Method of assessment Wri If a of da cre			announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- ate). reditable for bonus						
	Referred to in	LPO I	§ 49 I § 69 I	Nr. 1 a) Nr. 1 a)						
10-I-ST-152-m01	Software Tech	hnology								
	ECTS 10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (4) +	- Ü (2)						
	Method of ass	sessment	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). creditable for bonus							
	Referred to in	LPO I	§ 49 Nr. 1 b) § 69 Nr. 1 b)							
10-I-PP-152-m01	Practical Cour	rse in Prog	rammi	ng						
	ECTS 10	Duration	n		Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses		P (6)							
	Method of assessment		written If anno of one date).	n examination (appi ounced by the lectu e candidate each (ap	rox. 60 to 120 minute rer at the beginning o oprox. 20 minutes) or	s). of the course, the written exami r an oral examination in groups	nation may be of 2 candidate	replaced by an oral examination s (approx. 15 minutes per candi-		
	Referred to in	LPO I	§ 49 § 69	§ 49 Nr. 1 c) § 69 Nr. 1 d)						
Bachelor's with 1 major N	Aathematics (2015)					JMU Würzburg • generated 18-Apr-20	25 • exam. reg. data r	ecord 82 105 - - H 2015 page 47 / 70		

10-I-SWP-152-m01	Practic	al cours	e in softv	vare						
	ECTS	10	Duratio	ı	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Course	S		P (6)		•				
	Method	d of asse	essment	practi	cal project (Complet	tion of a larger softwa	re project in groups (approx. 3	oo hours per pe	erson) and final presentation (ap-	
				prox.	prox. 10 minutes per group)					
	Module comple	es succe eted	ssfully	10-I-P	10-I-PP, 10-I-ST					
	other p	rerequis	sites	In ado highly	In addition, the knowledge and skills acquired in module 10-I-ADS are required. Prior attendance of this module is therefore highly recommended.					
	Referre	d to in L	PO I	§691	Nr. 1 d)					
10-I-RAL-152-m01	Digital	comput	er systen	ıs						
	ECTS	10	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			V (4) +	+ Ü (2)	· · · · ·		ñ		
	Method of assessment written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be r of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates date). creditable for bonus							eplaced by an oral examination (approx. 15 minutes per candi-		
10-l-lÜ-152-m01	Informa	ation Tra	ansmissio	on						
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		V (4) +	⊦Ü (2)					
	Method of assessment			written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). creditable for bonus § 22 Nr. 3 b)						
10-I-HWP-152-m01	Practic	al cours	e in hard	ware	_					
	ECTS	10	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Course	S	ļ	P (6)						
	Method	d of asse	essment	portfo minut	lio: completion of a es per project)	pprox. 3 to 10 project	assignments (approx. 250 hou	irs total) and pr	esentation of results (approx. 10	
	Referre	d to in L	PO I	§ 22	l Nr. 3 b)					

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10-I-TIV-152-m01	Theore	etical Inf	ormatics							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	es	•	V (4)						
	Metho	d of ass	essment	writte	n examination (app	rox. 60 to 120 minute	es).			
				If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination						
				date).	of one candidate each (approx. 20 minutes) of an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date).					
	Referre	ed to in l	POI	§ 49 l	§ 49 Nr. 1 a)					
				§ 69 I	3 69 l Nr. 1 a)					
10-I-TIT-152-m01	Tutoria	al Theor	etical Info	ormatic	S					
	ECTS 5 Duratio			n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses			Ü (2)	(2)					
	Method of assessment			a) cor	npletion of approx.	11 exercises with app	rox. 4 components each (50% t	to be completed	d correctly) or	
				b) wri	tten examination (a	pprox. 180 to 240 mi	nutes)			
	Deferr	ad to in I		Metho 8 (o l	Method of assessment to be selected by the candidate.					
				§ 69 I	Nr. 1 a)					
10-I-LOG-152-m01	Logic for informatics									
	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V (2) ·	+ Ü (2)					
	Method of assessment			writte	written examination (approx. 60 to 120 minutes).					
				lf ann	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination					
				or one date)	of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date)					
				Language of assessment: German and/or English						
			_	creditable for bonus						
	Referre	ed to in l	PO I	§ 22	§ 22 Nr. 3 b)					
10-I-AGT-152-m01	Algori	thmic Gr	aph Theo	ry						
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	es		V (2) ·	+ Ü (2)					
	Metho	d of ass	essment	writte	n examination (app	rox. 60 to 120 minute	es).			
				If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination						
				of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-						
				Langu	age of assessment:	: German and/or Engl	ish			
				credit	able for bonus					
	Referre	ed to in l	PO I	§ 22	I Nr. 3 b)					

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10-l=lCG-152-m01	Intera	ctive Co	mputer Gr	aphics	5						
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Cours	es		V (2) ·	/ (2) + Ü (2)						
	Metho	od of ass	essment	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focus HCI	es available for stud	dents of the Master's programme Informatik (Comp	outer Science, 12	o ECTS credits):			
10-I-DB-152-m01	Datab	ases									
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Cours	es		V (2) ·	V (2) + Ü (2)						
	Method of assessment			If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
	Referred to in LPO I		§ 49 Nr. 1 b) § 69 Nr. 1 b)								
10-I-WBS-152-m01	Know	ledge-ba	sed Syste	ems							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Cours	es		V (2) ·	+ Ü (2)						
	Metho	od of ass	essment	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
1	Reterred to in LPO I			8221	i Ni. 3 DJ						

10-I-DM-152-m01	Data Mining	ning										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) +	- Ü (2)								
	Method of asse	essment	writter If anno of one date). Langu credita	vritten examination (approx. 60 to 120 minutes). Fannounced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- late). anguage of assessment: German and/or English creditable for bonus								
	Referred to in L	POI	§ 22	Nr. 3 b)								
10-I-00P-152-m01	Object oriented	l Progran	nming									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) +	- Ü (2)								
	Method of asse	essment	writter If anne of one date). Langu credit	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus								
	Referred to in L	PO I	§ 22	Nr. 3 b)								
10-I-KT-152-m01	Computational Complexity											
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) +	- Ü (2)								
	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 may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus									
	Referred to in L	POI	§ 22	Nr. 3 b)								
10-I-KD-152-m01	Cryptography a	and Data	Securit	y		1	1					
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) +	- Ü (2)								
	Method of assessment		written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus									
	Referred to in L	PO I	§ 22	Nr. 3 b)								

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10-l-3D-152-m01	-mo1 3D Point Cloud Processing									
	ECTS 5	Duration	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V (2) +	- Ü (2)						
	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 may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
	Referred to in I	PO I	§ 22	Nr. 3 b)						
10-l-BS-152-m01	Operating Sys	tems								
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V (2) +	(2) + Ü (2)						
	Method of assessmentwritten examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an ora of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minu date). Language of assessment: German and/or English creditable for bonus									
10-I-RAK-152-m01	K-152-m01 Computer Architecture									
	ECTS 5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V (2) +	- Ü (2)						
	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 may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
	Referred to in I	PO I	§ 22	Nr. 3 b)	chitaktur					
10-1-PK-152-m01	Computer Net	vorks and		unication Systems						
10-1-66-152-1101	FCTS 8	Duration	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		ν (₄) +	- (2)	method of glading muncheat glade	Modulievel				
	Method of assessment		written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus § 22 II Nr. 3 b)							

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10-I-AR-152-m01	Autom	ation an	d Control	Techn	ology						
	ECTS	8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	es		V (4) +	(4) + Ü (2)						
	Metho	d of ass	essment	writte	written examination (approx. 60 to 120 minutes).						
				If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination							
				of one	of one candidate each (approx. 20 minutes) of an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date)						
				Langu	Language of assessment: German and/or English						
				creditable for bonus							
	Referre	ed to in l	PO I	§ 22	§ 22 Nr. 3 b)						
Focus Philosophy (30 ECTS	6 credits)								
06-Ph-B-P1/1-152-	Introd	uction to) Philosop	ohy	y						
m01	ECTS 5 Duration		า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	es		V (2) +	+ Ü (2)						
	Metho	d of ass	essment	writte	n examination (90 n	ninutes)					
06-Ph-B-P1/2-152-	Historical epochs, main works, authors										
m01	ECTS 5 Duratio			ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)								
	Metho	d of ass	essment	oral e	oral examination (approx. 25 minutes)						
06-Ph-B-P2/1-152-	Philos	ophical	principles	of sciences I							
m01	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	es		V (2)							
	Metho	d of ass	essment	written examination (45 minutes)							
	Partici	pants ar	nd allo-	Only as part of pool of general transferable skills (ASQ): max. 20 places. Should the number of applications exceed the num-							
	cation	of place	S	ber of	available places, pl	aces will be allocate	d according to the number of su	ibject semester	rs. Among applicants with the sa-		
				lot as	me number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available						
06-Ph-B-P2/2-152-	Philos	ophical	principles	s of sci	ences II						
m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	es		S (2)	I		5		,		
	Metho	d of ass	essment	writte	n examination (90 n	ninutes)					

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06-Ph-B-P3/1-152-	Theoretical Ph	Fheoretical Philosophy I											
m01	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate					
	Courses		V (2)	V (2)									
	Method of ass	essment	writte	written examination (45 minutes)									
	Participants and cation of place	nd allo- es	Only a ber of me nu lot as	Only as part of pool of general transferable skills (ASQ): max. 20 places. Should the number of applications exceed the number of available 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. A waiting list will be maintained and places re-allocated by lot as they become available.									
06-Ph-B-P4/1-152-	Practical Philo	sophy I											
m01	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate					
	Courses		V (2)	(2)									
	Method of ass	essment	writte	vritten examination (45 minutes)									
	Participants and cation of place	nd allo- es	Only a ber of me nu lot as	nly as part of pool of general transferable skills (ASQ): max. 20 places. Should the number of applications exceed the num- er of available places, places will be allocated according to the number of subject semesters. Among applicants with the sa- e number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by t as they become available.									
06-Ph-B-P5/1-152-	History of Phil	osophy I											
m01	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully complete	ed Modul level	undergraduate					
	Courses		V (2)										
	Method of ass	essment	writte	n examination (45 n	ninutes)								
	Participants and cation of place	nd allo- es	ber of available places, places will be allocated according to the number of subject semesters. Among applicants with the sa- me number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.										
06-Ph-B-P6/1-152-	Issues of rese	arch in ph	ilosop	losophy I									
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		S (2)	5 (2)									
	Method of ass	essment	oral examination (approx. 25 minutes)										
06-Ph-B-W1-152-	Text Analysis:	Ancient F	hiloso	phy									
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		S (2)										
	Method of ass	essment	writte	n examination (app	rox. 90 minutes) or te	rm paper (10 to 12 pages)							
	Referred to in	LPO I	§ 68 I	Nr. 2 a)									
			<u>§</u> 721	Nr. 2 f)									
06-Ph-B-W2-152-	Text Analysis:	Medieval	Philos	sophy		· · ·							
mor	ECIS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		5 (2)	• /	• • • •		_						
	Method of ass	essment	writte	n examination (90 r	ninutes) or term pape	er (10 to 12 pages)							
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06-Ph-B-W3-152-	Text Analysis:	Modern F	hiloso	phy						
m01	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses		S (2)	5 (2)						
	Method of ass	essment	portfo	portfolio: 2 to 3 essays (approx. 10 pages total)						
06-Ph-B-W4-152-	Text Analysis:	Contemp	orary F	Philosophy						
m01	ECTS 5 Duratio		n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses		S (2)	5 (2)						
	Method of assessment		portfo	portfolio: 2 to 3 essays (approx. 10 pages total)						
06-Ph-B-W5-152-	Basic disciplin	es of the	oretica	retical philosophy: Metaphysics and Epistemology						
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)	$\overline{\mathfrak{s}}(2)$						
	Method of ass	essment	term	erm paper (10 to 12 pages)						
	Referred to in L	PO I	§ 32 l	32 Nr. 1 c)						
06-Ph-B-W6-152-	Specific discip	fic disciplines of theoretical philosophy								
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)							
	Method of ass	essment	term	paper (10 to 12 page	s)					
	Referred to in LPO I		§ 32 l	Nr. 1 c)			_			
06-Ph-B-W7-152-	Basic disciplines of practical philosophy									
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)							
	Method of ass	essment	term paper (10 to 12 pages)							
	Referred to in I	PO I	§ 32 Nr. 1 c)							
06-Ph-B-W8-152-	Specific discip	lines of p	ractica	al philosophy						
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	_	S (2)							
	Method of ass	essment	term	paper (10 to 12 page	s)					
	Referred to in I	POI	§ 32 l	Nr. 1 c)						
06-Ph-B-W10-152-	Problems of M	odern Ph	ilosopl	hy						
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)							
	Method of ass	essment	oral e	xamination (approx	. 25 minutes)					
	Referred to in LPO I		§ 32	Nr. 1 c)						

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06-Ph-B-W11-152-	Probler	ms of Th	eoretical	Philos	sophy							
m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	-3	S (2)	5 (2)							
	Method	d of asse	essment	portfo	portfolio: 2 to 3 essays (approx. 10 pages total)							
06-Ph-B-W12-152-	Probler	Problems of Practical Philosophy										
m01	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			S (2)								
	Method of assessment			portfo	ortfolio: 2 to 3 essays (approx. 10 pages total)							
Focus Physics (30 ECTS credits)												
Compulsory Course	es (14 EC	TS cred	its)									
11-ENNF1-152-m01	Classic	al Phys	ics 1 for S	itudent	ts of Physics related	Disciplines						
	ECTS 7 Duration		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (4) - Modu	⊦ Ü (2) le taught in: Ü: Gern	nan or English						
	Methoo	Method of assessment			written examination (approx. 120 minutes) Language of assessment: German and/or English							
	other prerequisites			Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
Additional Information			Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.									

11-ENNF2-152-m01	Classical Physics 2 for Students of Physics related Disciplines										
	ECTS	7	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			V (4) -	$V(4) + \ddot{U}(2)$						
				Modu							
	Method of assessment				Language of assessment: German and/or English						
	other prerequisites			Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.							
	Additior	ial Info	rmation	Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.							
Compulsory Electiv Students must take	es 1 (3 EC) e either m	TS cre odule	dits) 11-PNNF c	or the t	wo modules 11-P-PA	and 11-P-FR1. Other	combinations are not permitted	l.			
11-PNNF-152-m01	Laboratory Course Physics for Students of Physics Related Disciplines										
	ECTS	3	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses			Р(4)							
	Method	of asso	essment	a) pra Each be rep	ctical assignment w experiment compris peated once.	vith oral test (approx. es preparation, perfo	15 minutes, during experiment rmance and evaluation. Test as	s) and b) writte s well as perforr	n examination (90 minutes). nance of experiments can each		
11-P-PA-152-m01	Laborat	ory Cou	urse Phys	ics A (l	ics A (Mechanics, Heat, Electromagnetism)						
	ECTS	3	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses		-	P (2)							
	Courses Method of assessment			practical assignment with talk (approx. 30 minutes) Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully com- pleted if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the phy- sics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed.							

11-P-FR1-152-m01	Data a	Data and Error Analysis											
	ECTS	2	Duration	1 I	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Cours	es		V (1) + Ü (1)									
				Module taught in: U: German or English									
	Metho	od of asse	essment	writte	n examination (appr	rox. 120 minutes)	ich						
	othor	proroqui	ritor	Langu	age of assessment:	German and/or Engl	ISII	varcica chaota r	ar comporter) Students who				
	other	prerequis	Siles	succes	successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Addit	ional Info	rmation	Regist consid neral a the qu stude for an sessm will no	Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.								
	Refer	red to in L	.PO I	§ 53 § 77	Nr. 1 c) Nr. 1 d)								
11-P-NFB-152-m01	Laboratory Course Physics B for Students of other Disciplines												
	ECTS	4	Duration	1 I	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Cours	es		P (2)									
	Method of assessment			practical assignment with talk (approx. 30 minutes) Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully com- pleted if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the phy- sics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed.									
	other	prerequis	sites	Students are highly recommended to complete modules 11-P-PA and 11-P-FR1 prior to completing module 11-P-NFB.									
Compulsory Electiv	es 2 (7	ECTS cre	dits)										
11-E-O-152-m01	Optic	s and Wa	ves										
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Cours	es		V (4) + Modu	- U (2) le taught in: Ü: Gern	nan or English							
	Metho	od of asse	essment	writtei Langu	n examination (appr age of assessment:	ox. 120 minutes) German and/or Engl	ish						

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11-E-A-152-m01	Atoms and Quanta											
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	!S		V (4) -	V (4) + Ü (2)							
				Modu	Module taught in: U: German or English							
	Metho	d of ass	essment	writte	vritten examination (approx. 120 minutes)							
11-F-F-152-m01	Introdu	iction to	Solid St	ate Phy	te Physics							
11 2 1 1 2 11 0 1	FCTS 8 Duration			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	5	Durutio	V (/) -	+ [] (2)	- method of Stading	numerical State	modulievel	undergraduate			
				Module taught in: Ü: German or English								
	Method of assessment			writte Langu	written examination (approx. 120 minutes) Language of assessment: German and/or English							
11-E-T-152-m01	Nuclea	r and El	ementary	Partic	le Physics							
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (3) - Modu	+ Ü (1) Ile taught in: Ü: Ger	man or English						
	Metho	d of ass	essment	writte Langu	n examination (app uage of assessment	orox. 120 minutes) t: German and/or Eng	lish					
11-T-M-152-m01	Theoretical Mechanics											
	ECTS 8 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (4) + Ü (2) Module taught in: Ü: German or English								
	Method of assessment			written examination (approx. 120 minutes) Language of assessment: German and/or English								
	other prerequisites			Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Additio	onal Info	ormation	Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.								

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11-T-Q-152-m01	Quantum Mechanics												
	ECTS	8	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (4) + Ü (2)									
				Module taught in: U: German or English									
	Methoo	d of asse	ssment	written examination (approx. 120 minutes) Language of assessment: German and/or English									
	other prerequisites			Admis succe about	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Additional Information			Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.									
11-T-S-152-m01	Statist	ical Phy	sics										
	ECTS	8	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (4) + Ü (2) Module taught in: Ü: German or English									
	Method of assessment			written examination (approx. 120 minutes) Language of assessment: German and/or English									
11-T-E-152-m01	Electro	dynami	s										
	ECTS	8	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			V (4) + Ü (2) Module taught in: Ü: German or English									
	Methoo	d of asse	essment	written examination (approx. 120 minutes) Language of assessment: German and/or English									

Focus Economics (3	s Economics (30 ECTS credits)												
12-EBWL-G-152-	Introdu	uction to	Busines	s Admi	Administration								
m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (2) +	- T (2)								
	Metho	d of asse	ssment	writte	n examination (appr	ox. 60 minutes)							
12-EVWL-G-152-	Participants and allo- cation of places			840 p (1) No and E dits), the m alloca excee ces): 1 of ECT specti (25 %	840 places. (1) 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 cre- dits), 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). (2) The remaining places will be allocated to students of other subjects. (3) When places are allocated in accordance with (2) and the number of applications exceeds the number of available places, places will be allocated according to the following quotas: a) Quota 1 (50 % of pla- ces): 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. b) Quota 2 (25 % of places): number of subject semesters of the re- spective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. c) Quota 3 (25 % of places): lotterv.								
12-EVWL-G-152-	Introdu	uction to	Economi	ics									
m01	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (2) +	- T (2)								
	Method of assessment			written examination (approx. 60 minutes)									
	Participants and allo- cation of places			840 p (1) No and E dits), the m alloca excee ces): 1 of ECT specti (25 %	laces. restrictions with reg conomics) (BSc with Wirtschaftsinformati inor Wirtschaftswiss ted to students of or ds the number of av cotal number of ECTS S credits achieved, ve applicant; among of places): lottery.	ard to available place 180 ECTS credits), V ik (Business Informa enschaft (Business I ther subjects. (3) Wh ailable places, place credits already ach places will be alloca g applicants with the	tes for Bachelor's studen Virtschaftsmathematik (N tion Systems) (BSc with a Management and Econor en places are allocated i s will be allocated accord eved in the respective do ted by lot. b) Quota 2 (25 same number of subject	nts of Wirtschaftswisse Mathematics for Econo 180 ECTS credits) as w mics) (60 ECTS credits) in accordance with (2) ding to the following q egree subject; among 5 % of places): number t semesters, places wi	nschaft (Business Management mics) (BSc with 180 ECTS cre- ell as Bachelor's students with (2) The remaining places will be and the number of applications juotas: a) Quota 1 (50 % of pla- applicants with the same number of subject semesters of the re- ll be allocated by lot. c) Quota 3				

12-ExtUR-G-152-	Financi	ial Accou	inting								
m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2) +	/(2) + T(2)						
	Metho	d of asse	ssment	writte	written examination (approx. 60 minutes)						
	Particip cation	oants an of place:	d allo- 5	840 places. (1) 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 cre- dits), 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). (2) The remaining places will be allocated to students of other subjects. (3) When places are allocated in accordance with (2) and the number of applications exceeds the number of available places, places will be allocated according to the following quotas: a) Quota 1 (50 % of pla- ces): 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. b) Quota 2 (25 % of places): number of subject semesters of the re- spective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. c) Quota 3 (25 % of places): lottery.							
12-IntUR-G-152-	Manag	erial Acc	ounting								
1101	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2) + I (2)							
	Metho	d of asse	ssment	written examination (approx. 60 minutes)							
	Particip cation	oants an of place:	d allo- 5	840 p (1) No and E dits), the m alloca excee ces): t of ECT specti (25 %	laces. restrictions with reg conomics) (BSc with Wirtschaftsinformati inor Wirtschaftswiss ited to students of or ds the number of av total number of ECTS S credits achieved, ive applicant; among of places): lottery. (ard to available plac 180 ECTS credits), V ik (Business Informa enschaft (Business I ther subjects. (3) Wh ailable places, place credits already ach places will be alloca g applicants with the 4) A waiting list will I	tes for Bachelor's students of W Virtschaftsmathematik (Mathem tion Systems) (BSc with 180 EC Management and Economics) (6 en places are allocated in acco s will be allocated according to ieved in the respective degree s ted by lot. b) Quota 2 (25 % of p same number of subject semes be maintained and places re-all	firtschaftswisse natics for Econo TS credits) as w to ECTS credits) rdance with (2) the following q ubject; among places): number sters, places wi ocated by lot as	nschaft (Business Management mics) (BSc with 180 ECTS cre- ell as Bachelor's students with). (2) The remaining places will be and the number of applications uotas: a) Quota 1 (50 % of pla- applicants with the same number of subject semesters of the re- ll be allocated by lot. c) Quota 3 s they become available.		

12-Mik1-G-152-m01	Micro	icroeconomics 1											
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Cours	es		V (2) +	+ T (2)								
	Metho	od of ass	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English									
	Partic cation	ipants ar of place	ıd allo- s	840 places. (1) 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 cre- dits), 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). (2) The remaining places will be allocated to students of other subjects. (3) When places are allocated in accordance with (2) and the number of applications exceeds the number of available places, places will be allocated according to the following quotas: a) Quota 1 (50 % of pla- ces): 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. b) Quota 2 (25 % of places): number of subject semesters of the re- spective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. c) Quota 3 (25 % of places): lottery.									
12-Mik2-G-152-	Micro	economi	CS 2										
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses			V (2) -	V(2) + I(2)								
	Metho	od of ass	essment	Language of assessment: German and/or English									
	Partic cation	ipants ar	id allo- s	620 p (1) No and E dits), the m alloca excee ces): 1 of ECT specti (25 %	laces. restrictions with re- conomics) (BSc with Wirtschaftsinformat inor Wirtschaftswiss ted to students of o ds the number of av total number of ECT S credits achieved, ive applicant; amon of places): lottery.	gard to available places for Bachelor's students of M n 180 ECTS credits), Wirtschaftsmathematik (Mather ik (Business Information Systems) (BSc with 180 EC senschaft (Business Management and Economics) (other subjects. (3) When places are allocated in acco vailable places, places will be allocated according to S credits already achieved in the respective degrees places will be allocated by lot. b) Quota 2 (25 % of p g applicants with the same number of subject seme	Virtschaftswisse natics for Econo TS credits) as w 60 ECTS credits ordance with (2) the following o subject; among places): numbe sters, places w	enschaft (Business Management omics) (BSc with 180 ECTS cre- vell as Bachelor's students with). (2) The remaining places will be and the number of applications quotas: a) Quota 1 (50 % of pla- applicants with the same number r of subject semesters of the re- ill be allocated by lot. c) Quota 3					

12-Mak1-G-152-	Macroeconomics 1												
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Cours	ses	_	V (2) -	+ T (2)								
12-Mak2-G-152-	Meth	od of asse	essment	writte Langu	written examination (approx. 60 minutes) Language of assessment: German and/or English								
	Partio	cipants an n of place	id allo- s	840 places. (1) 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 cre- dits), 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). (2) The remaining places will be allocated to students of other subjects. (3) When places are allocated in accordance with (2) and the number of applications exceeds the number of available places, places will be allocated according to the following quotas: a) Quota 1 (50 % of pla- ces): 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. b) Quota 2 (25 % of places): number of subject semesters of the re- spective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. c) Quota 3 (25 % of places): lottery.									
12-Mak2-G-152-	Macroeconomics 2												
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses			v(z) + v(z)									
	Meth	00 01 8556	essment	Language of assessment: German and/or English									
	Partio catio	ipants an	id allo- s	620 p (1) No and E dits), the m alloca excee ces): 1 of ECT spect (25 %	laces. restrictions with re- conomics) (BSc with Wirtschaftsinformat inor Wirtschaftswiss ted to students of o ds the number of av total number of ECT S credits achieved, ive applicant; amon of places): lottery.	gard to available places for Bachelor's students of W n 180 ECTS credits), Wirtschaftsmathematik (Mather cik (Business Information Systems) (BSc with 180 EC senschaft (Business Management and Economics) (other subjects. (3) When places are allocated in acco vailable places, places will be allocated according to S credits already achieved in the respective degrees places will be allocated by lot. b) Quota 2 (25 % of p g applicants with the same number of subject seme	Virtschaftswisse natics for Econo TS credits) as w 60 ECTS credits ordance with (2) o the following o subject; among olaces): numbe sters, places wi	enschaft (Business Management omics) (BSc with 180 ECTS cre- yell as Bachelor's students with). (2) The remaining places will be and the number of applications quotas: a) Quota 1 (50 % of pla- applicants with the same number r of subject semesters of the re- ill be allocated by lot. c) Quota 3					

12-BPL-G-152-m01	Supply	pply, Production and Operations Management. An Introduction											
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S	_	V (2) -	+ T (2)								
	Metho	d of ass	essment	writte	written examination (approx. 60 minutes)								
	Particip cation	oants ar	id allo- s	620 places. (1) 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 cre- dits), 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). (2) The remaining places will be allocated to students of other subjects. (3) When places are allocated in accordance with (2) and the number of applications exceeds the number of available places, places will be allocated according to the following quotas: a) Quota 1 (50 % of pla- ces): 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. b) Quota 2 (25 % of places): number of subject semesters of the re- spective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. c) Quota 3 (25 % of places): lottery. (4) A waiting list will be maintained and places re-allocated by lot as they become available.									
12-I&F-G-152-m01	Investr	nent an	d Finance	e. An In	troduction								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (2) -	+ T (2)								
	Metho	d of ass	essment	writte	n examination (appr	ox. 60 minutes)							
	Particiț cation	oants ar	ıd allo- s	620 p (1) No and E dits), the m alloca excee ces): 1 of ECI spect (25 %	laces. restrictions with reg conomics) (BSc with Wirtschaftsinformat inor Wirtschaftswiss ited to students of o ds the number of av total number of ECTS TS credits achieved, ive applicant; amony of places): lottery. (gard to available place 180 ECTS credits), V ik (Business Informa enschaft (Business I ther subjects. (3) Wh ailable places, place C credits already ach places will be alloca g applicants with the 4) A waiting list will b	tes for Bachelor's students of W Virtschaftsmathematik (Mathem tion Systems) (BSc with 180 EC Management and Economics) (6 en places are allocated in accor s will be allocated according to eved in the respective degree s ted by lot. b) Quota 2 (25 % of p same number of subject semes be maintained and places re-all	irtschaftswisse natics for Econo IS credits) as w to ECTS credits) rdance with (2) the following o ubject; among places): number sters, places wi ocated by lot as	nschaft (Business Management mics) (BSc with 180 ECTS cre- ell as Bachelor's students with). (2) The remaining places will be and the number of applications juotas: a) Quota 1 (50 % of pla- applicants with the same number of subject semesters of the re- ll be allocated by lot. c) Quota 3 s they become available.				

12-Mark-G-152-	Introduction to Market-Oriented Management												
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (2) +	$\sqrt{(2) + T(2)}$								
	Method	d of asse	essment	writte	n examination (appr	rox. 60 minutes)							
	Particip cation	oants an of place	d allo- s	620 places. (1) 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 cre- dits), 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). (2) The remaining places will be allocated to students of other subjects. (3) When places are allocated in accordance with (2) and the number of applications exceeds the number of available places, places will be allocated according to the following quotas: a) Quota 1 (50 % of pla- ces): 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. b) Quota 2 (25 % of places): number of subject semesters of the re- spective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. c) Quota 3 (25 % of places): lottery.									
12-WiPo-G-152-	Introduction to Economic Policy												
m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (2) -	V (2) + Ü (2)								
	Method	d of asse	essment	written examination (approx. 60 minutes)									
	Particip cation	oants an of place	d allo- s	620 p (1) No and E dits), the m alloca excee ces): 1 of ECT specti (25 %	laces. restrictions with reg conomics) (BSc with Wirtschaftsinformat inor Wirtschaftswiss ited to students of o ds the number of av total number of ECTS S credits achieved, ive applicant; amon of places): lottery.	gard to available plac 180 ECTS credits), W ik (Business Informat senschaft (Business M ther subjects. (3) Wh vailable places, place S credits already achi places will be allocat g applicants with the	es for Bachelor's students of W /irtschaftsmathematik (Mathem tion Systems) (BSc with 180 EC Aanagement and Economics) (6 en places are allocated in acco s will be allocated according to eved in the respective degree s ted by lot. b) Quota 2 (25 % of p same number of subject semes	Virtschaftswisse natics for Econo TS credits) as w So ECTS credits rdance with (2) the following c subject; among places): number sters, places wi	enschaft (Business Management omics) (BSc with 180 ECTS cre- yell as Bachelor's students with). (2) The remaining places will be and the number of applications quotas: a) Quota 1 (50 % of pla- applicants with the same number r of subject semesters of the re- ill be allocated by lot. c) Quota 3				

Key Skills Area (20	ECTS cr	redits)									
General Key Skills In addition to the n	(5 ECTS nodules	credits) listed b	elow, stu	dents r	nay also take modu	les offered by JMU as	part of the pool of general tran	sferable skills (ASQ).		
General Key Skills	(subject	t-specifi	c)								
10-M-Tu-	Exercis	se tutor	or proof-r	eading	ading in Mathematics						
Ko-152-mo1	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S		T (o)	(0)						
	Metho	d of ass	essment	Asses appro	Assessment of tutoring activities or correcting work by supervising lecturers or exercise supervisors (1 to 2 teaching units or approx. 5 pieces of correcting work)						
	Additic	onal Info	rmation	Pleas	Please direct application to teaching coordinator Mathematics, he/she will select participants.						
	Referre	ed to in L	PO I	§ 22	22 II Nr. 3 f)						
10-M-VHB1-152-	E-Learr	ning and	Blended	Learn	ing Mathematics 1						
m01	ECTS	2	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S		Ü (2) Cours	e type: eLearning, r	nostly Virtuelle Hochs	schule Bayern (vhb)				
	Metho	d of ass	essment	projeo Asses	ct (web-based, 15 to sment offered: Onc	o 20 hours) e a year, winter seme	ster				
10-M-VHB2-152-	E-Learning and Blended Learning Mathematics 2										
m01	ECTS 2 Duratio			<u>1</u>	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	!S		Ü (2) Course type: eLearning, mostly Virtuelle Hochschule Bayern (vhb)							
	Metho	d of ass	essment	project (web-based, 15 to 20 hours) Assessment offered: Once a year, summer semester							
Subject-specific Ke	y Skills	(15 ECT	S credits)								
Subject-specific Ke	y Skills	, Compu	lsory Cou	irses (1	1 ECTS credits)						
10-M-COM-152-	Compu	Itationa	Mathem	atics							
m01	ECTS	4	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	s		V (1) +	- Ü (2)						
	Metho	d of asso	essment	projec Langu Asses	project in the form of programming exercises (approx. 20 to 25 hours) Language of assessment: German and/or English Assessment offered: Once a year, winter semester						
	Referre	ed to in L	PO I	§ 22	I Nr. 3 f)						

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10-M-PRG-152-m01	Progra	mming	course fo	r stude	ents of Mathematics	and other subjects					
	ECTS	3	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course	es		P (2)	(2)						
	Metho	d of ass	essment	proje	project in the form of programming exercises (approx. 20 to 25 hours)						
				Language of assessment: German and/or English							
	Deferme			Asse	Assessment onered: Once a year, summer semester						
	Referre			<u>9</u> 22	3 22 II NIL 3 1/						
10-M-GBM-152-	Basic	votions			5 of Mathematical Reasoning						
	ECIS	2	Duratio			Method of grading (not) successfully completed	Modul level				
	Mothod of accossment				+ U(1)			_			
	Method of assessment			Lang	project (10 to 15 pages) Language of assessment: German and/or English						
	Additional Information			Addit	ional information or	n module duration: block taught prior to the beginning	ng of the lecture	e period.			
	Referred to in LPO I			§ 22	22 Nr. 1 h)						
				§ 22	22 II Nr. 2 TJ						
10-M-ASM-152-	Reason	ning and	Writing	in Mat	hematics		1				
mo1	ECTS 2 Duratio		n	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate				
	Courses		V (1) ·	+ Ü (1)							
	Method of assessment		proje Langi	ct (10 to 20 pages) Lage of assessment	: German and/or English						
Subject-specific Ke	y Skills	, Compu	lsory Ele	ctives	(4 ECTS credits)						
10-M-SEM2-152-	Supple	ementar	y Semina	r Mathematics							
m01	ECTS	4	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course	es		S (2)							
	Metho	d of ass	essment	talk (60 to 120 minutes) Language of assessment: German and/or English							
10-M-EFM-152-m01	Introdu	uction to	Stochas	tic Fin	ancial Mathematics						
	ECTS	9	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	es		V (4)	- + Ü (2)	· · ·					
	Method of assessment			a) wri b) ora c) ora Langu credi	a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus						

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10-M-TOP-152-m01	Introdu	uction to	Topolog	у							
	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully completed Modul level undergraduate					
	Course	S		V (2) -	⊦Ü (2)						
	Methoo	d of ass	essment	 a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester 							
10-M-GES-152-m01	Selecte	ed Topic	s in Histo	ry of N	ry of Mathematics						
	ECTS	5	Duration	า	1 semester	Method of grading (not) successfully completed Modul level undergraduate					
	Course	s	<u>.</u>	V (2) -	- + Ü (2)						
	Methoo	d of asso	essment	a) tall b) terr c) pro Langu Asses) talk (45 to 90 minutes) or) term paper (10 to 15 pages) or) project work (15 to 25 hours) anguage of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
	Referre	d to in L	PO I	§ 22	l Nr. 3 f)						
10-M-MSC-152-	Mathe	matical	Writing								
m01	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully completed Modul level undergraduate					
	Courses			V (2) -	+ Ü (2)						
	Method of assessment			a) talk (45 to 90 minutes) or b) term paper (10 to 15 pages) or c) project work (15 to 25 hours) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
	Referre	d to in L	.PO I	§ 22 II Nr. 3 f)							
10-M-SCH-152-m01	School	Mather	natics fro	m a Hi	gher Perspective						
	ECIS	5	Duration	1	1 semester	Method of grading (not) successfully completed Modul level undergraduate					
	Method	s d of asso	essment	 v (2) + 0 (2) a) talk (approx. 45 minutes) or b) term paper (10 to 15 pages) or c) project work (15 to 25 hours) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester 							
	Referre	d to in L	.PO I	§ 22 § 22 § 22	Nr. 1 h) Nr. 2 f) Nr. 3 f)						

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10-M-PRO-152-m01	Proseminar Mathematics								
	ECTS	4	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses			S (2)					
	Method of assessment			talk (60 to 120 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered					
Thesis (11 ECTS credits)									
10-M-BAM-152- m01	Bachelor Thesis Mathematics								
	ECTS	11	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses			No courses assigned to module					
	Method of assessment			Bachelor's thesis (approx. 275 to 330 hours)					
	other prerequisites			The supervisor may make the successful completion of certain modules that are relevant for the respective topic a prerequisi- te for the assignment of the topic.					
	Additional Information			Time to complete: 10 weeks.					