

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject MINT Teacher Education PLUS, Elite Network Bavaria (ENB) with the degree "Zusatzstudium" (60 ECTS credits)

Responsible: Faculty of Biology
Responsible: Faculty of Chemistry and Pharmacy

Responsible: Faculty of Mathematics and Computer Science

Responsible: Faculty of Physics and Astronomy

Examination regulations version: 2016

Examination regulations version: 2016 Examination regulations version: 2016

Examination regulations version: 2016

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

= lecture

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

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

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

= list of modules

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

Conventions for the modules in this SFB:

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not 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 method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

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

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

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

SPO+ASPO2015

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

14-Sep-2016 (2016-98) except mandatory electives 08-OCM-NAT-172, 08-BC-MOLP-172, 08-MCM3-172, 11-MRI1-171, 11-SSC-172, 11-STRG1-171, 11-STRG2-171 added in Fast Track procedure at a later time

14-Mar-2018 (2018-18) except mandatory electives 08-OCM-NAT-172, 08-BC-MOLP-172, 08-MCM3-172, 11-MRI1-171, 11-SSC-172, 11-STRG1-171, 11-STRG2-171 added in Fast Track procedure at a later time

22-Mar-2018 (2018-23)

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	le title							
	ECTS		Duration	(in semesters)	Method of grading		Module level		
	Courses		To be sp	ecified in the form X	(y) with course type 2	Cabbreviated as specified abo	ve and number of we	ekly contact hours y	
	Method of as	ssessme	ent						
	Only after su completion o		l if applica	able					
	Other prereq	uisites	if applica	able					
	Participants on of places		cati- if applica	if applicable					
	Additional in	formation	on if applica	able					
	Referred to in	n LPO I	if applica	able (examination re	gulations for teachin	g-degree programmes)			

Module Area B: Foo	us Subjec	t (30 E	CTS cred	lits)								
Focus Subject Biolo	ogy (o or 3	o ECTS	credits)								
07-MECB-152-m01	Endogen	ous Clo	cks B									
	ECTS 5	;	Duratio		1 semester	Method of grading	(not) successfully comp	leted Modul level	graduate			
	Courses			V (2)								
	Method o			c) ora d) ora Langu	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS1K-152-m01	Animal C	ommur	nication									
	ECTS 1	.0	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				(2) + S (1) odule taught in: German and/or English							
	Method o	of asse	ssment	b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
07-MS1ES-152-	Experimental Sociobiology											
mo1	ECTS 10 Duratio			1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				V (2) + S (1) Module taught in: English							
	Method o	of asse	ssment	b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
07-MS1V-		ıral Phy	/siology	and S	ociobiology F1							
F1-152-m01	ECTS 1	.0	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				+ S (1) le taught in: Germa	n and/or English						
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								

07-MS1V-	Behavi	ioural P	hysiology	and S	ociobiology F2							
F2-152-m01	ECTS	15	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	es.			P (29) + S (1) Module taught in: German and/or English							
	Method	d of ass	sessment	b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) c. anguage of assessment: German and/or English							
07-MS2-152-m01	Molecu	ular Bio	logy									
	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (3) Modu	ıle taught in: Germa	n and/or English						
	Method of assessment			wing natio	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS2ZE1-152-	Cell and Developmental Biology Master 1											
mo1	ECTS 10 Duratio			n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	<u>!</u> S			+ S (2) ıle taught in: Germa	n and/or English						
	Metho	d of ass	sessment	a) wr c) ora d) ora Lange								
07-MS2ZE2-152-	Cell an	d Deve	lopmenta	Biolo	gy Master 2							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (1) + S (2) Module taught in: English								
	Method of assessment			c) ora	al examination of on al examination in gro	to to 60 minutes, including multiple choice question e candidate each (30 to 60 minutes) or oups of up to 3 candidates (30 to 60 minutes) : German and/or English	s) or					

07-MS2ZE-	Cell an	d Devel	opmental	Biolog	gy F1							
F1-152-m01	ECTS	10	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	•		P (14) + S (1) Module taught in: German and/or English							
	Method	d of ass	essment	b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
07-MS2ZE-	Cell an	d Devel	opmental	Biolog	gy F2		'					
F2-152-m01	ECTS	15	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S) + S (1) ule taught in: Gern	nan and/or English						
				b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
07-MS2IN-	Infection	on Biolo	gy									
F-152-m01	ECTS	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (2) + S (1) Module taught in: German and/or English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS2PA-152-	Pathog	enicity	of Microo	rganis	ms							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (2) + S (1) Module taught in: English								
	Method of assessment			c) ora d) ora	al examination of o	(30 to 60 minutes, including multiple choice question one candidate each (30 to 60 minutes) or groups of up to 3 candidates (30 to 60 minutes) nt: German and/or English	ns) or					

07-MS2M-	Microb	iology I	F1				,					
F1-152-m01	ECTS	10	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			P (14) + S (1) Module taught in: German and/or English							
	Method	d of ass	essment	b) log c) ora d) ora e) pre) written examination (30 to 60 minutes, including multiple choice questions) or) log (15 to 30 pages) or) oral examination of one candidate each (30 to 60 minutes) or) oral examination in groups of up to 3 candidates (30 to 60 minutes) or) presentation (20 to 45 minutes) anguage of assessment: German and/or English							
07-MS2M-	Microb	iology I	2									
F2-152-m01	ECTS	15	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S			+ S (1) le taught in: Germa	an and/or English						
	Method of assessment			b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
07-MS2B-	Biophy	sics an	d Molecul	ar Biot	echnology							
T-152-mo1	ECTS	10	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	Courses			V (2) + S (1) Module taught in: English							
	Method	Method of assessment		a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS3B-	Biophy	sics an	d Biocher	nistry	'		'					
B-152-m01	ECTS	10	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			V (2) + S (1) Module taught in: English							
	Method of assessment			c) ora d) ora	l examination of or Il examination in gr	30 to 60 minutes, including multiple choice questior ne candidate each (30 to 60 minutes) or roups of up to 3 candidates (30 to 60 minutes) t: German and/or English	s) or					

07-MS2BI-152-m01	Bioinfo	rmatics	i			,					
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			(2) + S (1) odule taught in: German and/or English						
	Method of assessment			c) ora d) ora) written examination (30 to 60 minutes, including multiple choice questions) or) oral examination of one candidate each (30 to 60 minutes) or l) oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: German and/or English						
07-MS2BT-	Biophy	sics and	d Molecul	lar Biotechnology F1							
F1-152-m01	ECTS	10	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses				P (14) + S (1) Module taught in: German and/or English						
	Method	d of asse		b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) c. anguage of assessment: German and/or English						
07-MS2BT-	Biophy	sics and	d Molecul	ar Bio	technology F2						
F2-152-m01	ECTS	15	Duration	ı	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses			P (29) + S (1) Module taught in: German and/or English							
	Method	d of asse	essment	b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English						
07-MS31-152-m01	Current	t Metho	ds in Biol	ogy							
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (3) Modu	lle taught in: Germa	n and/or English					
	Method of			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							

07-MS31POEK-152-	Plant E	cology										
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (2) + S (1) Module taught in: German and/or English							
	Method	d of asso	essment	c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS31PIP-152-	Plant Ir	mmunol	oiology a	nd Pha	rmaceutical Biology	1						
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) - Modu	+ S (1) le taught in: Germar	n and/or English						
	Method	d of asso	essment	c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS3S-152-m01	System											
	ECTS 10 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) + S (1) Module taught in: German and/or English								
	Method	d of asso	essment	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS2BIF1-152-	Bioinfo	rmatics	F1									
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		P (14) + S (1) Module taught in: German and/or English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								

l moı 🗆 🗆	Bioinformatics F2											
1	ECTS	15	Duration	1	1 semester	Method of grading (no	ot) successfully completed	Modul level	graduate			
	Courses	5	·		+ S (1)			,				
				Module taught in: German and/or English								
	Method	of asse	essment		a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or							
) oral examination of one candidate each (30 to 60 minutes) or l) oral examination in groups of up to 3 candidates (30 to 60 minutes) or							
				d) ora								
					presentation (20 to 45 minutes) anguage of assessment: German and/or English							
07-MSL2-152-m01	Laborat	ony Cou	irea a	Langu	age of assessifier			,	-			
! '		10	Duration	า	1 semester	Method of grading (no	ot) successfully completed	Modul level	graduate			
! 	Courses			P (15)	1 Jennester	Method of Stading (in	ot, successivity completed	Modulitevel	graduite			
	courses	,			Module taught in: German and/or English							
	Method	of asse	essment				ng multiple choice question	s) or				
					(15 to 30 pages) o							
				c) ora	c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or							
					sentation (20 to 45		23 Go to oo iiiiiates) oi					
				Langu	age of assessmen	t: German and/or English						
	other pr	•			e consult with cour	se advisory service in adv	/ance.					
! _ -	Molecular Plant Physiology F1											
F1-152-m01	ECTS	10	Duration		1 semester	Method of grading nu	merical grade	Modul level	graduate			
	Courses				+ S (1)							
	Mathad	of occ	essment		Module taught in: German and/or English a) written examination (30 to 60 minutes, including multiple choice questions) or							
	Method	01 ass	essinent	b) log	(15 to 30 pages) o	30 to 60 illillutes, ilictuali r	ig illuttiple choice question	5) 01				
				c) ora	l examination of or	ne candidate each (30 to 6	60 minutes) or					
						roups of up to 3 candidate	es (30 to 60 minutes) or					
					sentation (20 to 45	s minutes) t: German and/or English						
07-MS31MPP-	Molecul	lar Plar	nt Physiol					,				
! _ '		15	Duration		1 semester	Method of grading (no	ot) successfully completed	Modul level	graduate			
	Courses				+ S (1)	1 0 01.	, , ,		0			
				Mòdu	le taught in: Germa	an and/or English						
	Method	of asse	essment				ng multiple choice question	s) or				
		b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or										
						roups of up to 3 candidate						
				e) pre	sentation (20 to 45	s minutes)	_					
	,					t: German and/or English						

07-MS3BSBF1-152-	Bioche	mistry a	nd Struct	ural Biology F1								
mo1	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		P (14) + S (1) Module taught in: Ger	man and/or English							
	Method	d of asse	essment	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
07-	Bioche	mistry a	nd Struct	ural Biology F2								
MS3BSBF2-152-	ECTS	15	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
m01	Courses			P (29) + S (1) Module taught in: German and/or English								
	Method	d of asse		a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
07-MS3B-	Biophysics of Plant Membrane Proteins F1											
PF1-152-m01	ECTS 10 Duration				Method of grading	numerical grade	Modul level	graduate				
	Course	S		P (14) + S (1) Module taught in: German and/or English								
	Method of assessment			b) log (15 to 30 pages) c) oral examination of d) oral examination in e) presentation (20 to	or one candidate each (30 groups of up to 3 cand	idates (30 to 60 minutes) or	ns) or					
o7-MS3B-	Biophy	sics of F	lant Men	nbrane Proteins F2								
PF2-152-m01	ECTS	15	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses			P (29) + S (1) Module taught in: Ger	man and/or English							
				a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								

o7-MS3S-	Plant S	Signallin	g F1					,					
PF1-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S			+ S (1)								
					le taught in: German								
	Metho	d of asso	essment		tten examination (30 (15 to 30 pages) or	o to 60 minutes, incli	uding multiple choice question	s) or					
					c) oral examination of one candidate each (30 to 60 minutes) or								
					d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or								
) presentation (20 to 45 minutes) anguage of assessment: German and/or English								
07-MS3S-	Plant S	Signallin	g F2			, 0		-					
PF2-152-m01	ECTS	15	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	!S	•		+ S (1)								
					le taught in: German				_				
	Metho	d of asso	essment		tten examination (30 (15 to 30 pages) or	o to 60 minutes, incli	uding multiple choice question	s) or					
						e candidate each (30	to 60 minutes) or						
					d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes)								
						minutes) German and/or Engl	ish						
o7-MS3PBM-	Pharmaceutical Biology and Metabolomics F1												
F1-152-m01	ECTS 10 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			P (14) + S (1) Module taught in: German and/or English									
	Metho	d of ass	essment		a) written examination (30 to 60 minutes, including multiple choice questions) or								
					b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or								
							dates (30 to 60 minutes) or						
					sentation (20 to 45								
o= MCoDDM	Dharm		l Dialam			German and/or Engl	isn						
07-MS3PBM- F2-152-m01	ECTS	15	Duratio		etabolomics F2 1 semester	Mothod of grading	(not) successfully completed	Modul level	graduate				
	Course		Duratio			Method of glading	(not) successfully completed	Modulitevel	graduate				
	Course	.3		P (29) + S (1) Module taught in: German and/or English									
	Metho	d of ass	essment		a) written examination (30 to 60 minutes, including multiple choice questions) or								
				b) log (15 to 30 pages) or									
				c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or									
			e) presentation (20 to 45 minutes)										
				Langu	Language of assessment: German and/or English								

07-MS3PPE-	Physiological Plant Ecology F1												
F1-152-m01	ECTS 10	Duration	1 semester	Method of grading nur	nerical grade	Modul level	graduate						
	Courses		P (14) + S (1) Module taught in: Gern	nan and/or English									
	Method of a	ssessment	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English										
o7-MS3PPE-	Physiologic	al Plant Eco	ogy F2										
F2-152-m01	ECTS 15	Duration	ı semester	Method of grading (no	t) successfully completed	Modul level	graduate						
	Courses		P (29) + S (1) Module taught in: Gern	P (29) + S (1) Module taught in: German and/or English									
	Method of a	ssessment	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English										
o7-MS3MCPE-	Molecular a	Molecular and Chemical Plant Ecology F1											
F1-152-m01	ECTS 10	Duration		Method of grading nur	nerical grade	Modul level	graduate						
	Courses		P (14) + S (1) Module taught in: Gern	nan and/or English									
	Method of a	ssessment	b) log (15 to 30 pages) c) oral examination of od) oral examination in g e) presentation (20 to 2	one candidate each (30 to 6 groups of up to 3 candidate	o minutes) or	s) or							
o7-MS3MCPE-	Molecular a	nd Chemica	Plant Ecology F2										
F2-152-m01	ECTS 15	Duration		Method of grading (no	t) successfully completed	Modul level	graduate						
	Courses		P (29) + S (1) Module taught in: Gern	nan and/or English									
	Method of a	ssessment	b) log (15 to 30 pages) c) oral examination of od) oral examination in g e) presentation (20 to 2	one candidate each (30 to 6 groups of up to 3 candidate	o minutes) or	s) or							

07-MS3SYF1-152-	System	Systems Biology F1										
mo1	ECTS	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			P (14) + S (1) Module taught in: German and/or English							
	Mothor	d of acc			a) written examination (30 to 60 minutes, including multiple choice questions) or							
	Method of assessment			b) log) log (15 to 30 pages) or							
				d) ora e) pre) oral examination of one candidate each (30 to 60 minutes) or) oral examination in groups of up to 3 candidates (30 to 60 minutes) or) presentation (20 to 45 minutes)							
				Langu	lage of assessment	: German and/or English						
07-MS3SYF2-152-	System	ıs Biolo	gy F2									
mo1	ECTS	15	Duration	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses				+ S (1) le taught in: Germa	n and/or English						
	Method of assessment			b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
07-MLS1B-152-	Methods in Life Sciences B											
mo1	ECTS	7	Duration	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	Courses			V (3) Module taught in: English							
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: English								
o7-MS3COB-	Compu	tational	l Biology	F1								
F1-152-m01	ECTS	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			P (14) + S (1) Module taught in: German and/or English								
	Method of assessment			b) log c) ora d) ora e) pre	ritten examination (30 to 60 minutes, including multiple choice questions) or og (15 to 30 pages) or ral examination of one candidate each (30 to 60 minutes) or ral examination in groups of up to 3 candidates (30 to 60 minutes) or resentation (20 to 45 minutes) guage of assessment: German and/or English							

o7-MS3COB-	Computational Biology F2											
F2-152-m01	ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		P (29) + S (1) Module taught in: German and/or English								
	Method	l of asse	essment	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
07-MLS2-152-m01	Topics	and Con	cepts in	Life Sc	iences							
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		V (3) Modu	le taught in: English	1						
	Method	l of asse	essment	b) ora c) ora	written examination (30 to 60 minutes, including multiple choice questions) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: English							
07-MSL3-152-m01	Laboratory Course 3											
	ECTS 15 Duration			1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		P (30) Modu	le taught in: Germa	n and/or English						
	Method	l of asse	essment	b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
	other p	rerequis	sites	Pleas	e consult with cours	se advisory service ir	ı advance.					
07-MSA2-152-m01	Externa	l Intern	ship 2									
	ECTS	10	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		P (15) Modu	le taught in: Germa	n and/or English						
	Method of assessment			Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
	other prerequisites			Pleas	e consult with cours	se advisory service ir	advance.					

07-MSA3-152-m01	External Internship 3												
07 M3A3 132 M01		15	Duration	า	1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Course		Duration	P (30)		method of glading (not) successfully completed	Modulitevel	graduate					
	Course.	3			Module taught in: German and/or English								
	Method of assessment			b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
	other p	rerequi	sites	Pleas	e consult with cours	e advisory service in advance.							
07-MSL1-152-m01	Laborat	tory Co	urse 1										
	ECTS	5	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Course	S		P (5) Modu	P (5) Module taught in: German and/or English								
	Method of assessment			b) log c) ora d) ora e) pre	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
	other p			Please consult with course advisory service in advance.									
07-MSA1-152-m01	Externa	al Interr	ıship 1										
	ECTS	5	Duration		1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Course	S		P (10) Module taught in: German and/or English									
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English									
	other p	rerequi	sites	Please consult with course advisory service in advance.									

07-ML-152-m01	Linux and Perl												
	ECTS	5	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Course	·S		S (3) Modu	S (3) Module taught in: German and/or English								
	Method	d of ass	essment	b) log c) ora d) ora e) pre	written examination (30 to 60 minutes, including multiple choice questions) or log (15 to 30 pages) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or presentation (20 to 45 minutes) nguage of assessment: German and/or English								
07-MLS1-152-m01	Metho	ds in Lif	e Science	S									
	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	·S		V (3) Modu	le taught in: Englisl	1	^						
	Method	d of ass	essment	wing o	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: English								
07-MLS2B-152-	Topics	Topics and Concepts in Life Sciences B											
mo1	ECTS	7	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Course	S		V (3) Modu	le taught in: Englisl	1							
	Method of assessment			a) wri c) ora d) ora Langu									
07-MS31B-152-	Curren	t Metho	ds in Biol	ogy B									
mo1	ECTS	7	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Courses			V (3) Module taught in: English									
	Method of assessment			c) ora d) ora	l examination of on Il examination in gro	o to 6o minutes, including multiple choice question: e candidate each (3o to 6o minutes) or oups of up to 3 candidates (3o to 6o minutes) : German and/or English	s) or						

07-MS31POEK-	Plant E	Plant Ecology B											
B-152-mo1	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	!S		V (2)		,		,					
					Module taught in: English								
	Method	d of ass	essment		a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or								
					d) oral examination in groups of up to 3 candidates (30 to 60 minutes)								
					Language of assessment: German and/or English								
07-MS31PIP-	Plant Immunobiology and Pharmaceutical Biology B												
B-152-mo1	ECTS	5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	!S		V (2) Modu	le taught in: Germa	n and/or English							
	Method	d of ass	essment				uding multiple choice question	s) or					
						e candidate each (30							
					d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
o7-MS3BB-	Biophy	sics an	d Biochen										
B-152-mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	!S		V (2) Modu	le taught in: English	1							
	Method	d of ass	essment	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English									
07-MS2BT-	Biophy	sics an	d Molecul	ar Biotechnology B									
B-152-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S		V (2) Module taught in: English									
				a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English									
07-MS1B-152-m01	Neurob	oiology,	Behaviou	ral Ph	ysiology and Anima	l Ecology B							
	ECTS	7	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	!S		V (3) Module taught in: English									
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English									

07-MNBB-152-m01	Neurogenetics of Behaviour B												
	ECTS	5	Duratio		1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S		V (3) Module taught in: English									
	Method				a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MEN-	Neuron	nodulat	ion and N	eurona	al Development B								
MNDB-152-m01	ECTS	5	Duration	า	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses			V (3) Modu	le taught in: English	l							
				a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English									
07-MTÖB-152-m01	Animal Ecology and Tropical Biology B												
	ECTS 5 Duratio			1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses			V (2) Module taught in: German and/or English									
	Method	d of ass	essment	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the follo wing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English									
07-MTÖ2B-152-	Animal	Ecolog	y and Tro	pical B	iology 2 B								
mo1	ECTS 5			1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses			V (2) Module taught in: English									
	Method of assessment			Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English									

07-MKB-152-m01	Animal	Comm	ınication	В								
	ECTS	7	Duration	1	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Courses	S		V (2) -				,				
					le taught in: German	<u> </u>						
	Method	d of ass	essment	wing	ne course. Usually, one of the follo- noice questions) or b) log (15 to 30 on in groups of up to 3 candidates							
07-MESB-152-m01	Experin	nental S	Sociobiolo	ogy B								
	ECTS	7	Duration	1	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Courses	S			(2) + S (1) lodule taught in: English							
	Method	d of ass	essment	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
07-MS2B-152-m01	Molecu	lar Biol	ogy B									
	ECTS	7	Duration	,	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Courses	S		V (3) Modu	le taught in: Germai	n and/or English						
	Method	d of ass	essment	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the forwing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS2INF-B-152-	Infectio	n Biolo	gy B									
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Courses	S		V (2) Module taught in: German and/or English								
	Method	d of ass	essment	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								

07-MS2PA-B-152-	Pathog	enicity	of Microo	rganis	ms B	-						
mo1	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Course	S		V (2) Modu	V (2) Module taught in: English							
	Method	d of asse	essment	wing on the mation	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: German and/or English							
07-MBI-B-152-m01	Bioinfo	rmatics	В									
	ECTS 5 Duration			n	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Course	S		V (2) Modu	le taught in: Germar	n and/or English						
	Method	d of asse	essment	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS-B-152-m01	Systems Biology B											
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	d Modul level	graduate			
	Course	S		V (2) Modu	V (2) Module taught in: German and/or English							
	Method of assessment			Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
o7-MKE-	Nucleus	s Works	hop									
WO-152-mo1	ECTS	7	Duration		1 semester	Method of grading	(not) successfully completed	d Modul level	graduate			
	Course	S		Ü (5) + V (1) Module taught in: German and/or English								
	Method of assessment			Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								

07-MTROP-152-	Tropica	Tropical Ecology												
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		Ü (3) Modu	Ü (3) Module taught in: German and/or English									
	Method	d of ass	essment	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English										
07-MPWD-152-m01	Presen	tation o	f Scientif	ic Data										
	ECTS 5 Duration Courses			1	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate					
				S (2) Modu	dule taught in: German and/or English									
	Method	d of ass	essment	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English										
07-MGLN-152-m01	Quality Assurance, Good Practice, Biosafety and Biosecurity													
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V (1) + S (1) Module taught in: German and/or English										
	Method of assessment			option	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, the following option will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) Language of assessment: German and/or English									
07-MV-	Specia	l Subje	t Studies	Biolog	gy and Natural Scie	ences 4								
MINT4-152-mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			S (2) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format										
	Method of assessment			Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English										
	other prerequisites			Pleas	e consult with cour	rse advisory service ir	advance.							

07-MV-	Specia	l Subjec	t Studies	Biolog	y and Natural Sci	ences 4B						
MINT4B-152-mo1	ECTS	5	Duratio	า	1 semester	Method of grading (not) successfully completed Modul level graduate						
	Course	!S			S (2) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format							
	Metho	d of ass	essment	wing of pages (30 to	Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
	other p	rerequi	sites	Pleas	e consult with cou	rse advisory service in advance.						
07-MV-	Specia	l Subjec	ct Studies	Biolog	Biology and Natural Sciences 5							
MINT5-152-m01	ECTS	6	Duratio	1	1 semester	Method of grading (not) successfully completed Modul level graduate						
	Course	Courses			S (3) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format							
	Metho	Method of assessment			Successful completion as certified by the lecturer Language of assessment: German and/or English							
	other p	rerequi	sites	Please consult with course advisory service in advance.								
07-MV4-152-m01	Specia	l Subjec	ct Studies	outsid	le Natural Science	95 4						
	ECTS	5	Duratio	า	1 semester	Method of grading numerical grade Modul level graduate						
	Course	!S		S (2) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format								
	Method of assessment			Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
	other prerequisites			Please consult with course advisory service in advance.								

07-MV4B-152-m01	Special Subject Studies outside Natural Sciences 4B											
	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S			S (2) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English							
	Method	d of asse	essment	wing of pages (30 to								
	other p	rerequi	sites	Pleas	e consult with cour	rse advisory service ir	n advance.					
07-DR4-152-m01	Teachi	ng 4	,									
	ECTS	5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses				S (3) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format							
	Method	d of ass	essment		Successful completion as certified by the lecturer Language of assessment: German and/or English							
	other prerequisites			Pleas	e consult with cour	rse advisory service in	n advance.					
07-MS1-152-m01	Neurobiology, Behavioural Physiology and Animal Ecology											
	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (3) Modu	V (3) Module taught in: English							
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS1CB-152-	Endoge	enous C	locks									
mo1	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) + S (1) Module taught in: English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								

07-MS1NMN-	Neur	omodulat	ion and N	eurona	l Development	,						
D-152-m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cour	ses		V (2) - Modu	F S (1) le taught in: English							
	Meth	od of ass	essment	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS1N-	Neur	ogenetics	of Behav	iour				'				
B-152-m01	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cour	ses		V (2) - Modu	S (1) le taught in: English							
	Meth	od of asso	essment	c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS1N-	Neurobiology F1											
F1-152-m01	ECTS 10 Duration			า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			P (14) + S (1) Module taught in: German and/or English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
07-MS1N-	Neur	obiology I	2									
F2-152-m01	ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses			P (29) + S (1) Module taught in: German and/or English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								

07-MS1TÖ-152-	Animal Ecology and Tropical Biology											
mo1	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			V (2) + S (1) Module taught in: German and/or English							
	Method	d of ass	essment	c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS1TÖ2-152-	Animal	Ecolog	y and Tro	pical B	iology 2							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) Modu	+ S (1) le taught in: Engli	sh						
	Method	d of ass	essment	c) ora d) ora) written examination (30 to 60 minutes, including multiple choice questions) or) oral examination of one candidate each (30 to 60 minutes) or) oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: German and/or English							
07-MS1TÖF1-152-	Animal Ecology F1											
mo1	ECTS 10 Duratio			n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			P (14) + S (1) Module taught in: German and/or English							
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								
07-MS1TÖF2-152-	Animal	Ecolog	y and Tro	pical B	iology F2							
mo1	ECTS	15	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses			P (29) + S (1) Module taught in: German and/or English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: German and/or English								

Focus Subject Cher	mistry (o	or 30 E	CTS cred	its)								
08-0CM-NAT-172-	Moderr	1 Aspec	ts of Natu	ıral Pro	oduct Chemistry a	and Biological Chemist	ry					
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S /Mod	S /Module taught in: German or English							
	Method	d of ass	essment	exam	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							
	Participants and allocation of places			ces. F	Master's degree programme Chemie (Chemistry): no limitation. Master's degree programme Biochemie (Biochemistry): 20 places. Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot A waiting list will be maintained and places re-allocated as they become available.							
08-BC-MOLP-172-	Molecu	lar Bio	logy laboi	ratory	ory course							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		P (5)	(5)							
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (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) Assessment offered: Once a year, winter semester Language of assessment: German and/or English								
	Participants and allocation of places			numb Quota avera appli main Chem gree ber o waitii ter pr me M with t								

08-MCM3-172-m01	Drug des	ign			,			1			
	ECTS 5	5	Duration	1	1 semester	Method of grading numerical	grade	Modul level	graduate		
	Courses				+ Ü (1) ıle taught in: Germa	an or English		-			
	Method o	of asses	ssment			minutes) with discussion t: German and/or English					
	Participants and allocation of places 22 places. 16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry will be given preferential consideration. 6 places for students of the Master's degree programme Biochemie (Bellocated will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters; among applicants with the same number of subject semesters.										
08-HKM1-152-m01	Organo-	and Bio	catalysi	is							
	ECTS 5	5	Duration		1 semester	Method of grading numerical	grade	Modul level	graduate		
	Courses			S (3)	_						
	Method of assessment a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								ach (20 to 30 minutes) or c) oral		
08-PH-KAC-152-	Clinical-a	analytic	al Chem	nistry	·						
mo1	ECTS 5	5	Duration	า	1 semester	Method of grading numerical	grade	Modul level	undergraduate		
	Courses			V (3)	_						
	Method o	of asses	ssment	written examination (approx. 120 minutes) Language of assessment: German and/or English							
08-PH-KACP-152-	Practical	course	of clinic	cal-ana	alytical Chemistry						
mo1	ECTS 5	5	Duration	n	1 semester	Method of grading (not) succe	essfully completed	Modul level	undergraduate		
	Courses			P (5)							
	Method o	of asses	ssment	and a	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English						
08-SCM3-152-m01	Bioorgan	nic Cher	nistry								
	ECTS 5	5	Duration		1 semester	Method of grading numerical	grade	Modul level	graduate		
	Courses			S (3)							
	Method o	of asses	ssment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							

08-SCM1-152-m01	Suprar	nolecula	ar Chemis	try (B	asics)							
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade		Modul level	graduate			
	Course	S		S (3)			-					
	Method	d of ass	essment) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) anguage of assessment: German and/or English							
o8-FU-Mo-	Molecu	Molecular Materials (Lecture)										
MaV-152-mo1	ECTS	5	Duration	on 1 semester Method of grading numerical grade M				Modul level	undergraduate			
	Course	:S		V (3)	+ S (1)							
	Method	d of ass	essment	exam (appı	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral amination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation oprox. 30 minutes)] as well as talk (approx. 30 minutes), weighted 3:1 arguage of assessment: German and/or English							
08-FU-NT-152-m01	Chemi	cally an	d bio-insp	ired N	Nanotechnology for Material Synthesis							
	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade		Modul level	undergraduate			
	Course	:S		V (4)								
	Method	d of ass	essment	exam (appı	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) or examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presenta (approx. 30 minutes) Language of assessment: German and/or English							
o8-FU-Ma-	Material Science 1 (Basic introduction)											
Wi1-152-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade		Modul level	undergraduate			
	Course	:S	•	V (3)	V (3) + Ü (1)							
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) p (approx. 30 minutes) Language of assessment: German and/or English								
o8-FU-Ma-	Materi	al Scien	ce 2 (The	Mate	rial Groups)							
Wi2-152-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade		Modul level	undergraduate			
	Course	·S		V (3)	+ Ü (1)							
				exam (appı	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or minutes) or groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) present of the prox. 30 minutes) aguage of assessment: German and/or English							

03-FU-PM1-152-	Polymer Chemistry 1 (Lecture and Practical Course)											
mo1	ECTS	5 D	uration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	;		V (2) -	+ P (2)	•	•	•	-			
	Method	of assess	sment	prox. Asses Langu	a) assessment and b) Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) Assessment offered: Once a year, winter semester Language of assessment: German and/or English Creditable for bonus							
08-PCM1a-161-	Laser Spectroscopy											
mo1			uration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (2) - Modu	+ Ü (1) le taught in: Germaı	n or English	,		•			
	Method	of assess	ment		written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) anguage of assessment: German and/or English							
o8-PCM1b-161-	Advance	ed Physica	al Cher	nistry	stry (Lab)							
mo1	ECTS	5 D	uration	l	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	j		P (4) Modu	Module taught in: German or English							
	Method of assessment			Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English								
	Additional Information			Additi	ional information or	module duration: b	lock taught lab course with app	rox. 20 working	g days.			
08-PCM2-161-m01	Statistical Mechanics and Reaction Dynamics											
	ECTS	5 D	uration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	3		S (2) + Ü (1) Module taught in: German or English								
	Method	of assess	ment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English								
08-PCM3-161-m01	Nanosca	ale Materi	ials		•							
	ECTS	5 D	uration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	;		S (2) - Modu	+ Ü (1) le taught in: Germaı	n or English						
	Method	of assess	sment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus								

o8-PCM4-161-mo1	Ultrafast spectroscopy and quantum-control												
·	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		S (2) - Modu	+ Ü (1) le taught in: Germ	an or English							
	Method	of ass	essment	prox.	n) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) anguage of assessment: German and/or English								
	other pr	rerequi	sites	Prior	Prior completion of modules o8-PCM1a and o8-PCM1b recommended.								
08-PCM5-161-m01	Physica	l Chem	istry of S	upram	pramolecular Assemblies								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		S (2) - Modu	+ Ü (1) le taught in: Germ	an or English		•					
	Method	of asso	essment	prox.	written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) anguage of assessment: German and/or English								
08-PCM6-161-m01	Physica	l Chem	istry (Adv	try (Advanced Lab)									
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate				
	Courses	5		P (4) Modu	P (4) Module taught in: German or English								
	Method	of asso	essment		presentation (approx. 20 minutes) Language of assessment: German and/or English								
	Addition	nal Info	rmation	Addit	Additional information on module duration: block taught lab course with approx. 20 working days.								
08-TCM2-161-m01	Basics a	and App	plications	of Quantum Chemistry									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		S (2) -	+ Ü (2)			,					
				exam (appr Langu	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-TCM3-161-m01	Numerio	cal Met	hods and	Progra	amming								
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) -									
	Method 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-TCM4-161-m01	Quantu	m Dyna	amics									
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (2)	+ Ü (2)							
				exam (appr) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or xamination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presonapprox. 30 minutes) anguage of assessment: German and/or English							
08-TCM1-161-m01	Selected Topics in Theoretical Chemistry											
	ECTS	5	Duration	<u>า</u>	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			S (2)	+ Ü (2)		,					
	Method of assessment			exam (appr Langi	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral camination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation pprox. 30 minutes) inguage of assessment: German and/or English							
08-TCAP1-161-m01	Theore	tical Ch	emistry -	Projec	ject course quantum chemistry							
	ECTS	5	Duration	า	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S		P (5)	_							
	Method of assessment				presentation (approx. 30 minutes) Language of assessment: German and/or English							
	Additional Information			Addit	ional information o	on module duration: block taught lab course with app	orox. 20 working	days.				
08-TCAP2-161-m01	Theoretical Chemistry - Project course quantum dynamics											
	ECTS	5	Duration	า	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S		P (5)	P (5)							
				presentation (approx. 30 minutes) Language of assessment: German and/or English								
	Additio	nal Info	rmation	Additional information on module duration: block taught lab course with approx. 20 working days.								
08-ACM1-161-m01	Advanc	ed Inor	ganic Che	mistry	/							
	ECTS	10	Duration	า	2 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3)	+ S (3)							
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) or examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presents (approx. 30 minutes) Language of assessment: German and/or English								

08-ACPM-161-m01	Inorgar	nic Che	mistry pra	ctical	course for advanced	i						
	ECTS	10	Duratio	n	1 semester	Method of grading ((not) successfully completed	Modul level	graduate			
	Course	S		P (24) Modu	le taught in: Germar	n or English		-				
	Method	l of ass	essment			e (approx. 20 pages) ar German and/or Englis	nd talk (approx. 15 minutes) sh					
	Additio	nal Info	rmation	Addit	dditional information on module duration: block taught lab course with approx. 40 working days.							
08-ACM2-161-m01	Bioinor	ganic C	hemistry									
	ECTS	5	Duratio	n	1 semester	Method of grading r	numerical grade	Modul level	graduate			
	Course	S		S (3) Modu	le taught in: Germai	n or English						
	Method of assessment			exam	written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral amination in groups of up to 3 candidates (15 to 30 minutes per candidate) arguage of assessment: German and/or English							
08-ACM3-161-m01	Solid state chemistry and inorganic materials											
	ECTS 5 Duration			n	1 semester	Method of grading r	numerical grade	Modul level	graduate			
	Course	S		S (3)		•						
	Method of assessment		exam (appr	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) presentati (approx. 30 minutes) Language of assessment: German and/or English								
08-0CM-SYNT-161-	Moderr	Synth	etic Meth	Methods								
mo1	ECTS	5	Duratio		1 semester	Method of grading r	numerical grade	Modul level	graduate			
	Course	S			S (2) + Ü (1) Module taught in: German or English							
	Method	l of ass	essment	exam (appr	n) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 min examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) of approx. 30 minutes) anguage of assessment: German and/or English							
08-0CM-AKP1-161-	Advanc	ed Res	earch Pro	ject Or	ganic Chemistry							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading ((not) successfully completed	Modul level	graduate			
	Course	S			P (20) Module taught in: German or English							
	Method	Method of assessment			Log (approx. 15 to 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English							

08-OCM-FM-161-	Organi	c Funct	ional Mate	erials	,	,						
mo1	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (3)	-			•				
	Method	d of ass	essment						each (20 to 30 minutes) or c) oral			
					ination in groups (ox. 30 minutes)	or up to 3 candidates	approx. 15 minutes per	candidate) or a) log (ap	prox. 20 pages) or e) presentation			
						nt: German and/or Eng	glish					
o8-BC-	Molecu	ılar Bio	logy for A	dvanc	ed Students							
MOLMC-161-mo1	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (1)							
	Method	d of ass	essment	a) wr	itten examination (approx. 90 to 180 mir	nutes) or b) oral examina	ation of one candidate	each (20 to 30 minutes) or c) oral			
					ination in groups (ox. 30 minutes)	of up to 3 candidates	approx. 15 minutes per	candidate) or d) log (ap	prox. 20 pages) or e) presentation			
					guage of assessment: German and/or English							
08-BC-VPMM-161-	Practic	al cour	se "Molec		lachines" for adva			1				
mo1	ECTS	10	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		P (10)								
	Method	d of ass	essment			and talk (approx. 15 n						
	Madulaaayaaafiiliy					nt: German and/or Eng	glish	,				
	Modules successfully completed			08-B	C-MOLP							
					Additional information on module duration: block taught lab course with approx. 40 working days.							
08-BC-VPPD-161-			*		Degradation in Eukaryotes" for advanced students							
mo1	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			P (10)								
	Method of assessment			Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English								
	Module comple		essfully	08-B	C-MOLP							
	Additio	nal Info	ormation	Addit	ional information	on module duration: b	lock taught lab course v	with approx. 40 working	days.			
08-BC-VPRB-161-	Practic	al cour	se "RNA B	ioche	mistry" for advanc	ed students						
mo1	ECTS	10	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			P (10))							
	Method of assessment			Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English								
	Modules successfully completed			o8-BC-MOLP								
	<u> </u>			Additional information on module duration: block taught lab course with approx. 40 working days.								
·									<u> </u>			

08-BC-VPSB-161-	Practical course "Structural Biology" for advanced students											
mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		P (10)								
	Method	of ass	essment			nd talk (approx. 15 m : German and/or Engl						
	Module comple		essfully	o8-B0	C-MOLP	<u> </u>						
				Addit	litional information on module duration: block taught lab course with approx. 40 working days.							
08-FMM-MP-161-	Lab Course Material Science											
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		P (8)	•							
	Method	d of ass	essment	and a	ortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) assessment of practical performance (2 to 4 random examinations) anguage of assessment: German and/or English							
08-FMM-PA-161-	Project	Work						-	'			
mo1	ECTS	5	Duration	ı	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		P (10)	LO)							
	Method	d of ass	essment			nd talk (approx. 15 mi : German and/or Engl						
03-FU-PM2-161-	Polymers II											
mo1	ECTS 5 Duratio			ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2) ·	$S(2) + \ddot{U}(1)$							
	Method of assessment			prox.	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English							
08-HKM2-161-m01	Advanc	ed orga	nometall	ic chemistry and its application in homogeneous catalysis								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	•	S (3) Modu	le taught in: Germa	n or English						
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minute examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) (approx. 30 minutes) Language of assessment: German and/or English								
08-HKM3AC-161-	Practic	al cours	se "Homo	geneo	us catalysis in Inorg	ganic Chemistry"						
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses			P (6) Modu	P (6) Module taught in: German or English							
	Method of assessment		report on practical course (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English									
MINT Teacher Education	PLUS, Elite N	Network Ba	ıvaria (ENB) (2	1016)			JMU Würzburg • generated 21-Okt-2023 • exam. reg. data record ZS i22 - - H 2016 page 34 / 96					

o8-HKM3OC-161-	Practic	al cours	se "Homo	geneo	us catalysis in Orga	nic Chemistry"						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S	_	P (6) Modu	P (6) Module taught in: German or English							
	Method	d of ass	essment		eport on practical course (approx. 10 pages) and talk (approx. 15 minutes) anguage of assessment: German and/or English							
o8-HKM4-161-mo1	Advanc	ed tran	sition me	tal che	l chemistry							
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	:S		S (3)								
	Method of assessment			exam (appr Langu) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral xamination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation approx. 30 minutes) anguage of assessment: German and/or English							
08-MCM1-161-m01	Practic	al cours			mistry							
	ECTS 10 Duration			1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Courses			P (10) Modu	Module taught in: German or English							
	Method of assessment		and a	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) as well as report (30 to 50 pages) Language of assessment: German and/or English								
o8-MCM2a-161-	Pharmaceutical/Medicinal Chemistry 1											
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (3)								
	Method of assessment			exam (appr	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) present (approx. 30 minutes) Language of assessment: German and/or English							
o8-MCM2b-161-	Pharma	aceutica	al/Medici	nal Ch	emistry 2							
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	:S		V (3)								
	Method of assessment			exam (appr	itten examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) or ination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presenta rox. 30 minutes) uage of assessment: German and/or English							

08-SCM2-161-m01	Supran	nolecula	ar Chemis	try (Pra	actical Course)			,				
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully compl	leted Mod	ul level	graduate		
	Course	S		P (6) Modu	e taught in: Germ	an or English		·				
	Method	d of ass		and as	/ortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) anguage of assessment: German and/or English							
	Module comple	es succe eted	essfully	o8-SC	8-SCM1							
08-SCM4-161-m01	Supramolecular Chemistry (Advanced Lab)											
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully compl	leted Mod	ul level	graduate		
	Courses			P (6) Modu	P (6) Module taught in: German or English							
	Method	d of ass			presentation (approx. 20 minutes) Language of assessment: German and/or English							
	Modules successfully completed			o8-SC	8-SCM ₂							
	Additio	nal Info	rmation	Additi	onal information o	on module duration: b	ock taught lab course wit	h approx. 20	o working	days.		
Focus Subject Com	puter Sc	ience (d	or 30 EC	TS cred	lits)							
10-l-lÜ-152-m01	Information Transmission											
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Mod	ul level	undergraduate		
	Course	S		V (4) +	$(4) + \ddot{U}(2)$							
	Method of assessment			If anno of one date).	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 candidate). creditable for bonus							
	Referre	d to in I	_PO I	§ 22	§ 22 II Nr. 3b							
10-I-AGT-152-m01	Algorit	hmic Gr	aph Theo	ry				, and the second				
	ECTS	5	Duration	l	1 semester	Method of grading	numerical grade	Mod	ul level	undergraduate		
	Course	S		V (2) +	· Ü (2)							
				If anno 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 candidate). Language of assessment: German and/or English creditable for bonus							
	Referre	d to in l	_PO I	§ 22 II Nr. 3b								

10-I-WBS-152-m01	Knowle	edge-ba	sed Syste	ms				,			
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2)	+ Ü (2)			•			
	Method	d of asso	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) Langu	date). Language of assessment: German and/or English creditable for bonus						
	Referre	d to in L	LPO I	§ 22 l	l Nr. 3b						
10-l-DM-152-m01	Data M	ining									
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2)	+ Ü (2)			^	-		
	Method of assessment			If ann of one date) Langu	vritten examination (approx. 60 to 120 minutes). 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 candiate). anguage of assessment: German and/or English reditable for bonus						
	Referre	d to in L	LPO I	§ 22 l	l Nr. 3b						
10-I-00P-152-m01	Object oriented Programming										
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2)	+ Ü (2)						
	Method of assessment			If ann of one date) Langu	ounced by the lect e candidate each (a	urer at the beginning	of the course, the written e r an oral examination in gro		replaced by an oral examination s (approx. 15 minutes per candi-		
	Referre	d to in L	LPO I	§ 22 l	l Nr. 3b						
10-I-RK-152-m01	Compu	ter Netv	works and	Comn	nunication System	S					
	ECTS	8	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 candidate). Language of assessment: German and/or English creditable for bonus							
	Referre	d to in L	LPO I	§ 22 l	l Nr. 3b						

10-I-HWP-152-m01	Practic	al cour	se in hard	ware				-				
	ECTS	10	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		P (6)	•			•	•			
	Method	of ass	essment		portfolio: completion of approx. 3 to 10 project assignments (approx. 250 hours total) and presentation of results (approx. 10							
ļ				minutes per project)								
	Referre			_	l Nr. 3b			,				
10-l-3D-152-m01	3D Point Cloud Processing											
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course		,	` ,	+ Ü (2)							
			essment	If ann of one date) Langu credit	ritten examination (approx. 60 to 120 minutes). announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination fone candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candiate). anguage of assessment: German and/or English reditable for bonus							
	Referre	d to in	LPO I	§ 22 l	§ 22 II Nr. 3b							
10-I-LOG-152-m01	Logic for informatics											
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2)	+ Ü (2)							
	Method	d 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 candidate). Language of assessment: German and/or English creditable for bonus								
	Referre	d to in	LPO I	§ 22 l	Nr. 3b							
10-l-KT-152-m01	Compu	tationa	l Complex	ity	1			'				
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2)	+ Ü (2)							
				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 candidate). Language of assessment: German and/or English creditable for bonus								
	Referre	d to in	LPO I	§ 22 l	l Nr. 3b							

10-l-KD-152-m01	Cryptograp	hy and Data	Secur	ty								
	ECTS 5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses		V (2)	+ Ü (2)								
	Method of a	ssessment		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 candidate).								
			,	Language of assessment: German and/or English								
				creditable for bonus								
	Referred to	in LPO I	§ 22	l Nr. 3b								
10-I-SEM1-152-m01	Seminar 1											
	ECTS 5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses		S (2)	•	·							
	Method of a	ssessment			orox. 10 to 15 pages) and presentation (approx. 30	o to 45 minutes) wit	h subsequent discussion on a to-					
				om the field of com								
	D. C			anguage of assessment: German and/or English								
I D)/	Referred to		§ 22	§ 22 II Nr. 3b								
10-I-PV-152-m01	Project Pres						, , , , , , , , , , , , , , , , , , , 					
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses		S (5)									
	Method of a	issessment	presentation of a project developed by the candidate analogous to a presentation for laypersons with a knowledge of computer science at a trade fair as well as discussion (approx. 10 to 15 minutes total)									
				Language of assessment: German and/or English								
	Referred to	in LPO I		§ 22 II Nr. 3b								
10-l=AA-152-m01	Advanced A	utomation										
	ECTS 8	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (4)	+ Ü (2)								
	Method of a	ssessment	written examination (approx. 60 to 120 minutes)									
				table for bonus								
	Additional I	nformation			udents of the Master's programme Informatik (Co	mputer Science, 12	o ECTS credits):					
	-		IT,IS,	ES,LR,GE		1						
10-l=RO1-152-mo1		[B		 								
	ECTS 8	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses			+ Ü (2)								
	Method of a	ssessment	written examination (approx. 60 to 90 minutes) creditable for bonus									
	Additional I	nformation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IS,ES,LR,HCI									

10-l=RO2-152-m01	Robotic	 CS 2										
	ECTS	8	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (4) ·	+ Ü (2)			,				
	Method	d of asse	essment	written examination (approx. 60 to 90 minutes) creditable for bonus								
	Additional Information				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,ES,LR							
10-l=AGIS-161-m01	Algorithms for Geographic Information Systems											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) ·	+ Ü (2)			*				
	Method	d of asse	essment	If ann of one date). Langu	ounced by the lectu e candidate each (ap	rox. 60 to 120 minute rer at the beginning (oprox. 20 minutes) of German and/or Engl	of the course, the written an oral examination in	n examination may be r groups of 2 candidates	replaced by an oral examination s (approx. 15 minutes per candi-			
			,	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IS,HCI								
10-l=AG-161-m01	Computational Geometry											
	ECTS	5	Duratio	,	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focus AT,HC		dents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits):			
10-I=APA-161-m01	Approx	imation	Algorith	ms	'			,				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) ·	+ Ü (2)							
				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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,GE								

10-I=AUT-161-m01	Automa	ata The	ory			-		-				
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)	· ·	•					
	Method	d of ass	essment	If ann of on date) Langu	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 candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation		ses available for stud ES,HCI,GE	dents of the Master's programme Informatik (Co	omputer Science, 12	o ECTS credits):				
10-l=AVS-161-m01	Avionic	s Syste	ems									
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	(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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES,LR								
10-I=BER-161-m01	Compu	tability	Theory									
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,IS,GE								

10-I=CB-161-m01	Compil	er Cons	truction									
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) ·	+ Ü (2)	•	•	•				
	Method	d of ass	essment	If ann of one date).	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 candidate). late). language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	ormation	Focus SE,IT,		udents of the Master's programme Informatik (Comp	outer Science, 12	o ECTS credits):				
10-I=DDB-161-m01	Deduct	ive Dat	abases									
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (4) ·	' (4) + 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 examondron of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes pedate). Language of assessment: German and/or English creditable for bonus								
	Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,IS							
10-l=EL-161-m01	E-Learr	ning										
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			$V(2) + \ddot{U}(2)$								
	Method	d of ass	essment	If ann of one date). Langu	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 candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,IS,HCI,GE								

10-l=ES-161-m01	Embed	ded Sys	stems			-						
	ECTS	8	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (4)	+ Ü (2)							
	Method	d of ass	essment	If ann of on date) Langu	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 candidate). Language of assessment: German and/or English creditable for bonus							
				AT,SE	,ES,LR,GE	udents of the Master's programme Informatik ((Computer Science, 12	o ECTS credits):				
10-I=PA-161-m01	Analys	is and D	esign of	Progra	ms							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	:S		V (2)	(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 candidate). Language of assessment: German and/or English creditable for bonus							
		Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IS,ES,GE							
10-l=IR-161-m01	Inform	ation Re	etrieval									
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			V (2) + Ü (2)								
	Metho	d of ass	essment	If ann of on date) Langu	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 candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,IS,HCI,GE								

10-l=KT2-161-m01	Compu	tationa	l Complex	ity II			,					
	ECTS	5	Duration	n n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)	·	•					
	Method	l of ass	essment	If anr of on date) Lang	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 candidate). Language of assessment: German and/or English creditable for bonus							
	Additional Information				ses available for sti ,IT,ES	udents of the Master's programme Informatik (0	Computer Science, 12	o ECTS credits):				
10-l=Kl1-161-m01	Artificia	al Intel	ligence 1				,					
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	' (2) + Ü (2)							
	Method of assessment			If anr of on date) Langu credi	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examinatio of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
		Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,HCI							
10-l=Kl2-161-m01	Artificial Intelligence 2											
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) + Ü (2)								
	Method	l 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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,HCI,GE								

10-I=LVS-161-m01	Perform	nance l	valuation	of Dis	tributed Systems						
	ECTS	8	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (4)	+ Ü (2)	·	•				
	Method	d of ass	essment	If and of on date) Lang	vritten 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 candilate). Language of assessment: German and/or English creditable for bonus						
	Additio	Additional Information			ses available for st ,GE	udents of the Master's programme Informatik (0	Computer Science, 12	o ECTS credits):			
10-l=ML-161-m01	Mather	matical	Logic				,				
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)		,				
				of on date) Lang credi	e candidate each (uage of assessmen table for bonus	replaced by an oral examination s (approx. 15 minutes per candi-					
	Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,ES						
10-l=Ml-161-m01	Medical Informatics										
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) + Ü (2)							
	Method	d 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 candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,IS,HCI,GE							

10-l=PEB-161-m01	Perforn	nance E	ngineerin	g & B	enchmarking of Com	puter Systems					
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	V (2) + Ü (2)						
	Method	d of ass	essment	If anr of on date) Lang	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 candidate). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	ormation		ses available for stud ES,HCI,GE	dents of the Master's programme Informatik (Comp	outer Science, 12	o ECTS credits):			
10-I=RAM-161-m01	Compu	ter Arit	hmetic				'				
	ECTS 5 Duratio			า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		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 candidate). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,ES							
10-l=ST-161-m01	Discret	e Event	Simulation	on							
	ECTS	8	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	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 candidate). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,IS,ES,GE							

10-I=SAR-161-mo1	Softwa	re Arch	itecture								
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)						
	Method				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 candidate). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	rmation	Focus SE,IT,		dents of the Master's programme Informatik (Cor	mputer Science, 120	o ECTS credits):			
10-l=VG-161-m01	Visuali	zation o	of Graphs				,				
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	•	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 candidate). Language of assessment: German and/or English creditable for bonus Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits):						
				AT,IT,HCI,GE							
10-I=PM-161-m01	Profess	sional P	roject Ma		ent						
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			V (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 candidate). Language of assessment: German and/or English creditable for bonus							
	other p	rerequi	sites	Simu	taneous completion	of module 10-I=PRJ is recommended.	,				
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, IS, ES, LR, HCI.							

10-I=AK-	Selecte	d Topi	cs in Softv	vare En	gineering			<u>'</u>					
SE-161-mo1	ECTS	5	Duration	า	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	S	·	V (2) +	+ Ü (2)								
	Method	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 candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English								
					creditable for bonus								
	Additio	nal Info	ormation	Focus	es available for st	udents of the Master's pro	ogramme Informatik (Comp	uter Science, 12	o ECTS credits): SE.				
10-l=AKIT-161-m01	Selected Topics in Internet Technologies												
	ECTS	5	Duration	<u> </u>	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)			•					
	Method	d of ass	essment			prox. 60 to 120 minutes).							
									replaced by an oral examination				
				of one date).	of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidates)								
					Language of assessment: German and/or English								
					creditable for bonus								
	Additio	nal Info	ormation	Focus	es available for st	udents of the Master's pro	ogramme Informatik (Comp	uter Science, 12	o ECTS credits): IT.				
10-l=AKIS-161-m01	Selected Topics in Intelligent Systems												
	ECTS	5	Duration	า	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)			,					
	Method	d 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 candidate). Language of assessment: German and/or English								
				credit	able for bonus	, 0							
	Additio	nal Info	ormation	Focus	es available for st	udents of the Master's pro	ogramme Informatik (Comp	uter Science, 12	o ECTS credits): IS.				
10-l=A-	Selecte	ed Topi	cs in Embe	edded S	Systems								
KES-161-m01	ECTS	5	Duration	า	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	S	·	V (2) -	+ Ü (2)								
	Method	d of ass	essment			prox. 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 candidates)									
				date). Language of assessment: German and/or English									
				creditable for bonus									
	Additional Information			Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES.								
					1	'	- ` '		· · · · · · · · · · · · · · · · · · ·				

10-l=AKL-	Selected Topics in Aerospace Engineering											
R-161-mo1	ECTS	5	Duration	ı 1 semester	Method of gradin	ng numerical grade	Modul level	graduate				
	Course	!S	,	V (2) + Ü (2)		·						
	Method of assessment			If announced by the of one candidate ea date). Separate written example of the candidate and the candidate are separated with the candidate and the candidate are separated as a separate written example.	Separate written examination for Master's students. anguage of assessment: German and/or English							
	Additio	nal Inf	formation	Focuses available fo	or students of the Maste	r's programme Informati	k (Computer Science, 12	o ECTS credits): LR.				
10-I=AKH-	Selecte	ed Topi	ics in HCI									
Cl-161-m01	ECTS 5 Duratio			ı semester	Method of gradir	numerical grade	Modul level	graduate				
	Course	!S		V (2) + Ü (2) Course type: alterna	tively S (2) or R (2) inste	ead of Ü (2)						
			sessment	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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Inf	formation	Focuses available fo	r students of the Maste	r's programme Informati	k (Computer Science, 12	o ECTS credits): HCI.				
10-I=AKII-161-m01	O1 Selected Topics in Computer Science											
	ECTS	5	Duration		Method of gradir	numerical grade	Modul level	graduate				
	Course			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 candidate). Language of assessment: German and/or English creditable for bonus								
10-I=SSD-161-m01	Spaced	raft Sy	stems Des	ign	'		'					
	ECTS	8	Duration									
	Course	!S		V (4) + Ü (2) Module taught in: English								
	Method	d of as	sessment	written examination (approx. 60 to 120 minutes) Language of assessment: English creditable for bonus								

10-I-REP-152-m01	Exam Tut	torial for the Ge	erman Staa	atsexamen	-	<u> </u>							
	ECTS 4	4 Duratio	n 2 S	semester	Method of grading (not) successfully completed	Modul level	undergraduate						
	Courses		Ü (2)										
	Method	of assessment	One exerc	One exercise per area covered in the state examination									
	Referred	to in LPO I		22 II Nr. 2 f)									
1100	§ 22 II Nr. 3b												
10-I-ICG-152-m01													
	ECTS 5	Duratio		emester	Method of grading numerical grade	Modul level	undergraduate						
	Courses		V (2) + Ü (` '									
			If announ of one caldate). Language	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 candidate). Language of assessment: German and/or English creditable for bonus									
	Referred	to in LPO I	§ 22 II Nr.	. 3b									
10-l=A-	Selected	Selected Topics in Algorithms and Theory											
KAT-152-m01	ECTS 5	Duratio	n 1 S	emester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (2) + Ü ((2)									
	Method (of assessment	If announ of one cardate). Language	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 candidate). Language of assessment: German and/or English creditable for bonus									
	Referred	to in LPO I	§ 22 II Nr.	§ 22 II Nr. 3b									
06-HCI=BS-152-	Multimo	dal User Interfa	ices										
mo1	ECTS 5	Duratio	n 1 S	emester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (2) + Ü (2)										
	Method	of assessment	presentation of project results Language of assessment: German and/or English creditable for bonus										
	Referred to in LPO I		§ 22 II Nr.	. 3b									

o6-HCI=Ein-	Introdu	iction ir	ito Humai	n-Com	outer Interaction							
f-152-m01	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	•	V (2)	+ Ü (2)	·	•					
	Method	d of ass	essment	Langu	presentation of project results Language of assessment: German and/or English creditable for bonus							
	Referre	d to in I	_PO I	§ 22 l	§ 22 II Nr. 3b							
06-HCl=IS-152-	3D Use	r Interfa	aces									
mo1	ECTS 5 Duration				1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	/ (2) + Ü (2)							
	Method	d of ass	essment	Langu	resentation of project results anguage of assessment: German and/or English reditable for bonus							
	Referre	d to in I	PO I	§ 22 l	22 II Nr. 3b							
06-HCI=ST-152-	Real-Time Interactive Systems											
mo1	ECTS 5 Duration		n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses			V (2)	+ Ü (2)							
	Method of assessment			written examination (approx. 60 to 120 minutes) Language of assessment: German and/or English creditable for bonus								
	Referre	d to in I	PO I	§ 22 II Nr. 3b								
Focus Subject Com	puter M	athema	tics (o or	30 ECT	S credits)							
10-M=AAAN-161-	Applie	d Analys	sis									
mo1	ECTS	10	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (4) + Ü (2) Module taught in: German and/or English								
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								

10-M=AAL-	Topics	in Algel	bra			-						
G-161-mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) ıle taught in: Germa	n and/or English		,				
	Method	l of ass	essment	minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=ADG-	Differe	ntial Ge	ometry									
M-161-mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	·		4) + Ü (2) dule taught in: German and/or English							
	Method	l of ass	essment	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=AFT-	Comple	x Analy	/sis	•								
H-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (4) + Ü (2) Module taught in: German and/or English								
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=AGMS-161-	Geome	tric Stru	ıctures	,				'				
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (4) + Ü (2) Module taught in: German and/or English								
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								

10-M=AIST-161-	Industr	ial Stat	istics 1		'	,		,				
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (4) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=ALTH-161-	Lie The	ory										
mo1	ECTS	10	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (4) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=ANG-	Numeric of Large Systems of Equations											
G-161-m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	Courses			V (4) + Ü (2) Module taught in: German and/or English							
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=AOP-	Basics	in Opti	mization									
T-161-m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (4) + Ü (2) Module taught in: German and/or English								
	Method of assessment			minu Asses Langs	tes) or c) oral exar ssment offered: In	nination in groups (gro	utes, usually chosen) or by ups of 2, 15 minutes per ca the course is offered and	andidate)	f one candidate each (approx. 20 emester			

10-M=ARTH-161-	Control Theory												
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			V (4) + Ü (2) Module taught in: German and/or English								
	Method	l of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=ASM-	Stocha	stic Mo	dels of Ri	sk Ma	nagement								
R-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			(4) + Ü (2) odule taught in: German and/or English								
	Method	l of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=AST-	Stocha	stical P	rocesses										
P-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (4) + Ü (2) Module taught in: German and/or English									
	Method	l of ass	essment	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=A-	Topolo	gy											
TOP-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	s 		V (4) + Ü (2) Module taught in: German and/or English									
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									

10-M=AVS-	Insurar	Insurance Mathematics 1												
M-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			V (4) + Ü (2) Module taught in: German and/or English									
	Method	l of ass	essment	minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=AZ-	Time So	eries Ar	alysis 1					,						
RA-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			+ Ü (2) Ile taught in: Germa	n and/or English								
	Method	l of ass	essment	minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=AZTH-161-	Numbe	r Theor	y					,						
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			V (4) + Ü (2) Module taught in: German and/or English										
	Method	l of ass	essment	minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VA-	Selecte	d Topic	s in Anal	ysis										
NA-161-mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V (4) + Ü (2) Module taught in: German and/or English										
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus										

10-M=VAT-	Algebra	Algebraic Topology												
P-161-mo1	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S	-		+ Ü (2) ıle taught in: Germa	n and/or English		•						
	Method	d of ass	essment	minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English creditable for bonus									
10-M=VFN-	Selecte	d Topic	s in Finar	cial M	athematics									
M-161-mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			+ Ü (2) Ile taught in: Germa	n and/or English								
	Method	d of ass	essment	minu Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VGDS-161-	Groups	and th	eir Repres	entati	ions									
mo1	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			V (4) + Ü (2) Module taught in: German and/or English										
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus										
10-M=V-	Geome	trical M	echanics											
GEM-161-m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			V (4) + Ü (2) Module taught in: German and/or English										
	Method of assessment			minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									

10-M=VIST-161-	Industr	ial Stat	istics 2			,						
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (4) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=V-	Field A	rithmet	ics									
KAR-161-m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (4) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=VN-	Numeric of Partial Differential Equations											
PE-161-mo1	ECTS	10	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (4) + Ü (2) Module taught in: German and/or English								
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=VOP-	Selecte	ed Topic	s in Optii	nizatio	on							
T-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (4) + Ü (2) Module taught in: German and/or English								
	Method of assessment			minu Asses Langi	tes) or c) oral exan ssment offered: In	nination in groups (gro	utes, usually chosen) or b) ups of 2, 15 minutes per ca the course is offered and ir	ndidate)	f one candidate each (approx. 20			

10-M=V-	Statisti	Statistical Analysis												
STA-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			+ Ü (2) ıle taught in: Germa	n and/or English		·						
	Method	d of ass	essment	minu Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VVS-	Insurar	ice Mat	hematics	2				,						
M-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			V (4) + Ü (2) Module taught in: German and/or English									
	Method	d of ass	essment	minu Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VZ-	Time Series Analysis 2													
RA-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V (4) + Ü (2) Module taught in: German and/or English										
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus										
10-M=V-	Discret	e Math	ematics											
DIM-161-mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V (3) + Ü (1) Module taught in: German and/or English										
	Method of assessment			a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus										

10-M=VD-	Dyna	mical Sys	stems			,							
SY-161-mo1	ECTS	5 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses			V (3) + Ü (1) Module taught in: German and/or English								
	Meth	nod of ass	essment	minut Asses Langu	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=V-	Aspe	ects of Ge	ometry										
GEO-161-m01	ECTS	5 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses			V (3) + Ü (1) Module taught in: German and/or English								
	Meth	od of ass	essment	minut Asses Langu	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=V-	Mathematical Continuum Mechanics												
KOM-161-mo1	ECTS	5 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	rses		V (3) + Ü (1) Module taught in: German and/or English									
	Meth	nod of ass	essment	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approminutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VMB-	Math	nematical	Imaging										
V-161-m01	ECTS	5 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses			+ Ü (1) lle taught in: Germar	n and/or English							
	Meth	nod of ass	essment	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									

10-M=VMPH-161-	Selected Top	ics in Matl	nematio	cal Physics								
mo1	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			√ (4) + Ü (2) Module taught in: German and/or English								
	Method of as	sessment	minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=V-	Selected Top	ics in Cont	rol The	ory			'					
TRT-161-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V (4) + Ü (2) Module taught in: German and/or English								
	Method of as	sessment	minut Asses Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								
10-M=VI-	Inverse Problems											
PR-161-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V (3) + Ü (1) Module taught in: German and/or English								
	Method of as	sessment	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 1 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VMT-	Module Theo	ry										
H-161-m01	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		Modu V (3) -	+ Ü (1) lle taught in: Germar	n and/or English							
	Method of as	sessment	minut Asses Langu	itten examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 tes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) ssment offered: In the semester in which the course is offered and in the subsequent semester uage of assessment: German or English table for bonus								

10-M=V-	Non-line	Non-linear Analysis												
NAN-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	i			+ Ü (1) ıle taught in: Germa	ın and/or English								
	Method	of asse	essment	minu Asses Langu	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VOST-161-	Optimal	Contro	ol					,						
mo1	ECTS				1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	i			3) + Ü (1) dule taught in: German and/or English									
	Method	of asse	essment	minu Asses Langu	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 19 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus									
10-M=VV-	Networked Systems													
SY-161-mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	;			V (3) + Ü (1) Module taught in: German and/or English									
	Method	of asse	a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 60 to 90 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus											
10-M=VK-	Complex	x Geom	etry					'						
GE-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			V (4) + Ü (2) Module taught in: German and/or English										
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus										

10-M=VPD-	Partial	Differe	ntial Equa	tions	of Mathematical Ph	ysics						
P-161-mo1	ECTS	10	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) ıle taught in: Germa	ın and/or English						
	Method	d of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=V-	Pseudo	Riema	nnian and	Riem	annian Geometry							
PRG-161-mo1	ECTS	10	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			4) + Ü (2) dule taught in: German and/or English							
	Method	d of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=AF-	Functio	Functional Analysis										
AN-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	Courses			V (4) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	minu Asses Langi	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=VAD-	Applied	d Differe	ential Geo	metry								
G-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	Courses			V (4) + Ü (2) Module taught in: German and/or English							
	Method of assessment			minu Asses Langi	tes) or c) oral exami ssment offered: In t	ination in groups (gro	utes, usually chosen) or b) ora ups of 2, 15 minutes per candi the course is offered and in th	date)	f one candidate each (approx. 20			

10-M=MP1-161-	Analys	is and (Geometry	of Clas	sical Systems								
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es			V (4) + Ü (2) Module taught in: German and/or English								
	Method	d of ass	essment	minut Langu	n) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) anguage of assessment: German or English creditable for bonus								
10-M=MP2-161-	Algebra and Dynamics of Quantum Systems												
mo1	ECTS	10	Duratio	n	1 semester Method of grading numerical grade Modul level graduate								
	Course	!S			+ Ü (2) le taught in: Germa	n and/or English							
	Metho	d of ass	essment	minut Langu) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 ninutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) anguage of assessment: German or English reditable for bonus								
10-M=GAL-	Resear	rch in G	roups - Al	gebra									
G-161-m01	ECTS 10 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V (2) + S (2) Module taught in: German and/or English									
	Metho	d of ass	essment	Asses	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=G-	Research in Groups - Discrete Mathematics												
DIM-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es			+ S (2) le taught in: Germa	n and/or English							
	Metho	d of ass	essment	Asses	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=GD-	Resear	rch in G	roups - Dy	/namic	al Systems and Con	trol Theory							
SC-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		V (2) + S (2) Module taught in: German and/or English									
	Metho	d of ass	essment	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									

10-M=G-	Rese	arch in G	roups - Co	mplex	Analysis			-					
COA-161-mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses			+ S (2) lle taught in: Germar	n and/or English							
	Meth	od of ass	essment	Asses	alk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Canguage of assessment: German or English								
10-M=GGM-	Research in Groups - Geometry and Topology												
T-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses			+ S (2) lle taught in: Germar	n and/or English							
	Meth	od of ass	essment	Asses	k (60 to 120 minutes) sessment offered: In the semester in which the course is offered and in the subsequent semester nguage of assessment: German or English								
10-M=GM-	Rese	arch in G	roups - Ma	athema	ematics in Context								
CX-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses			V (2) + S (2) Module taught in: German and/or English								
	Meth	od of ass	essment	Asses	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=GM-	Research in Groups - Mathematics in the Sciences												
SC-161-m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses		V (2) + S (2) Module taught in: German and/or English									
	Meth	od of ass	essment	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									
10-M=G-	Rese	arch in G	roups - Mo	easure	and Integral			"					
MAI-161-m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				V (2) + S (2) Module taught in: German and/or English								
	Method of assessment			talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									

10-M=GN-	Resear	ch in G	roups - Nu	ımerica	al Mathematics and	Applied Analysis		,					
MA-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S			+ S (2) le taught in: Germar	n and/or English							
	Metho	d of ass	essment	Asses	alk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English								
10-M=GROC-161-	Resear	ch in G	roups - Ro	botics	otics, Optimization and Control Theory								
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	Courses			+ S (2) le taught in: Germar	n and/or English		`					
	Method of assessment			Asses	ssessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English								
10-M=GT-	Resear	ch in G	roups - Ti	me Ser	e Series Analysis								
SA-161-m01	ECTS 10 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S	-		+ S (2) le taught in: Germar	n and/or English							
	Method of assessment			Asses	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=G-	Research in Groups - Statistics												
STA-161-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S		V (2) + S (2) Module taught in: German and/or English									
	Metho	d of ass	essment	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									
10-M=GNTH-161-	Resear	ch in G	roups - Nu	ımber	Гheory								
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				V (2) + S (2) Module taught in: German and/or English								
	Method of assessment			talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									

10-M=GC-	Resear	rch in G	roups - Co	ntrol 1	trol Theory of Quantum Mechanical Systems								
QS-161-mo1	ECTS	10	Duration	n n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es			+ S (2) lle taught in: Germa	an and/or English							
	Metho	Method of assessment			alk (60 to 120 minutes) ssessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English								
10-M=GD-	Resear	Research in Groups - Differential Geometry											
GE-161-m01	ECTS	10	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es			+ S (2) lle taught in: Germa	an and/or English							
	Metho	d of ass	sessment	Asse	alk (60 to 120 minutes) ssessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English								
10-M=GDF-	Resear	rch in G	roups - De	forma	nation Quantization								
Q-161-m01	ECTS 10 Duratio			า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	Courses			+ S (2) Ile taught in: Germa	an and/or English			-				
	Metho	Method of assessment			ssment offered: In t	he semester in which t t: German or English	the course is offered a	nd in the subsequent se	emester				
10-M=GN-	Resear	rch in G	roups - No	n-line	ar Analysis			'					
LA-161-m01	ECTS	10	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es			V (2) + S (2) Module taught in: German and/or English								
	Metho	d of ass	sessment	Asse	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=GO-	Resear	rch in G	roups - Op	erato	Algebras								
PA-161-mo1	ECTS	10	Duratio	i I	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				V (2) + S (2) Module taught in: German and/or English								
				talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									

10-M=SAD-	Semi	nar in Ap	plied Diffe	erentia	l Geometry			,	-				
G-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses	•	S (2) Modu	le taught in: Germar	n and/or English		•	•				
	Meth	od of ass	essment	Asses	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=SAL-	Semi	nar in Alg	gebra										
G-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses		S (2) Modu	le taught in: Germar	n and/or English		^					
	Meth	od of ass	essment	Asses	lk (60 to 120 minutes) ssessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English								
10-M=SD-	Semi	nar in Dy	namical S	ystem	tems and Control								
SC-161-m01	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	Courses			le taught in: Germar	n and/or English		1					
	Meth	Method of assessment			alk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English								
10-M=S-	Semi	nar in Co											
COA-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses		S (2) Modu									
	Meth	od of ass	essment	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									
10-M=S-	Semi	nar in Fin	ancial an	d Insur	ance Mathematics			'					
FIM-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) Modu	S (2) Module taught in: German and/or English								
	Method of assessment			talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									

10-M=S-	Semi	nar in Ge	ometry ar	nd Top	ology			1	-				
GTO-161-mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses	·	S (2) Modu	lle taught in: Germa	n and/or English							
	Meth	od of ass	essment	Asses	lk (60 to 120 minutes) ssessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English								
10-M=SID-	Inter	disciplina	ary Semin	ar									
C-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses		S (2) Modu									
	Meth	od of ass	essment	Asses	lk (60 to 120 minutes) ssessment offered: In the semester in which the course is offered and in the subsequent semester inguage of assessment: German or English								
10-M=SM-	Semi	nar Math	ematics i	n the S	he Sciences								
SC-161-m01	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	Courses			S (2) Module taught in: German and/or English								
	Method of assessment			Asses	alk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=SN-	Semi	nar in Nu	merical <i>N</i>	athem	atics and Applied A	nalysis							
MA-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses		S (2) Modu									
	Meth	od of ass	essment	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									
10-M=SOP-	Semi	nar in Op	timizatio	n									
T-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses		S (2) Modu	S (2) Module taught in: German and/or English								
	Method of assessment			talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English									

10-M=S-	Semina	ar in Sta	tistics									
STA-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2) Modu	le taught in: Germ	an and/or English		•				
	Method	Method of assessment			ssessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German or English							
10-M=SN-	Semina	ar in No	n-linear A	nalysi	s			,				
LA-161-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2) Modu	dule taught in: German and/or English							
	Method	d of ass	essment	talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
10-M=AGP-	Giovan	Giovanni Prodi Lecture (Master)										
C-161-m01	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	Courses			+ Ü (1) lle taught in: Germ	an and/or English		·				
	Method	Method of assessment			a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approminutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=VG-	Giovan	ni Prod	i Lecture :	Selecte	ed Topics (Master)			,				
PS-161-mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	_		V (4) + Ü (2) Module taught in: German and/or English							
	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus								

10-M=VG-	Giovanni Prodi Lecture Advanced Topics (Master)											
PA-161-mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (4) + Modul		nan and/or English						
	Method	l of ass	essment	minute Assess Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=VGPM-161-	Giovan	ni Prod	Lecture A	/lodern	Topics (Master)							
mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (4) + Ü (2) Module taught in: German and/or English							
	Method	l of ass	essment	minute Assess Langu	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English creditable for bonus							
10-M=SGP-	Giovanni Prodi Seminar (Master)											
C-161-m01	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2) Module taught in: German and/or English								
	Method	l of ass		talk (60 to 120 minutes) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German or English								
Focus Subject Com	puter Ph	ysics (or 30 EC	TS cred	lits)							
11-SSC-172-m01	Surface	Science	:e									
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			e taught in: Engli							
	Method	l of ass		oral expreser If a writer form of the lead Assess	kamination in gro ntation/talk (appi itten examinatior f an oral examina cturer must inforn sment offered: In	ups (groups of 2, approrox. 30 minutes). In was chosen as methoration of one candidate in students about this b	ox. 30 minutes per candidate) od of assessment, this may be each or an oral examination in oy four weeks prior to the origin the course is offered and in the	or d) project repochanged and assorting groups. If the mall examination				

11-BSV-161-mo1	Image and Signal Processing in Physics											
	ECTS	6 Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		+ Ü (2) ule taught in: Germaı	n or English							
	Method	d of assessmen	amin on/ta If a w form the la Asse	ation in groups (grou alk (approx. 30 minut written examination w of an oral examinati ecturer must inform s ssment offered: In th	rox. 90 to 120 minutes) or oral examination of oups of 2, approx. 30 minutes per candidate) or tes). It was chosen as method of assessment, this may on of one candidate each or an oral examination of the capacity of the output of the outpu	project report (appror be changed and asson in groups. If the moriginal examination	sessment may instead take the ethod of assessment is changed, date at the latest.					
11-QUI-161-m01	Quantu	ım Information	Techno	logy								
	ECTS	6 Durati		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		/ (3) + R (1) Module taught in: German or English								
	Method	d of assessmen	amin on/ta If a w form the lo	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 mamination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 partialk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment material or or an oral examination of one candidate each or an oral examination in groups. If the method of assessment must inform students about this by four weeks prior to the original examination date at the lates assessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German and/or English								
11-PMM-161-mo1	Physics	s of Advanced N	laterial	S								
	ECTS	6 Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (3) + R (1) Module taught in: German or English								
	Method	d of assessmen	amin on/ta If a w form the la Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English								

11-SPI-161-m01	Spintro	nics			-							
	ECTS	6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			+ R (1) ule taught in: Gern	man or English						
	Method	d of ass	sessment	amin on/ta If a w form the le Asse	itten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral ination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentalk (approx. 30 minutes). I written examination was chosen as method of assessment, this may be changed and assessment may instead take mof an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chelecturer must inform students about this by four weeks prior to the original examination date at the latest. sessment offered: In the semester in which the course is offered and in the subsequent semester inguage of assessment: German and/or English							
11-FK2-161-m01			ysics 2									
	ECTS	8	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				(4) + R (2) lodule taught in: German or English							
	Wetnow	101 033	sessment	amin on/ta If a w form the le Asse	ation in groups (g alk (approx. 30 mi rritten examination							
11-FKS-161-m01	Solid S	tate Sp	ectrocopy	/								
	ECTS	6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (3) + R (1) Module taught in: German or English								
	Method	d of ass	sessment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English								

11-MAG-161-m01	Magne	tism		-						
	ECTS	6 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English						
	Method	d of assessment	amin on/ta If a w form the le	vritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes). To a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ne lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German and/or English						
11-HLPH-161-m01	Semico	nductor Physics								
	ECTS	6 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		(3) + R (1) Module taught in: German or English						
	Method	d of assessment	amination/tallf a withe leading	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						
11-HNS-161-mo1	Optical	Properties of So	micon	ductor Nanostructur	res					
	ECTS	6 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English						
	Method	d of assessment	amination/tallf a with the leading	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						

11-QTH-161-mo1	Quantu	m Tran	sport				,				
	ECTS	6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	,	V (3) -	+ R (1) lle taught in: Germar	n or English	,				
	Method	l of ass	essment	amina on/ta If a w form the le Asses	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						
11-ASM-161-m01	Method	ls of Ol	servation	ıal Ast	ronomy		,				
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses				V (3) + R (1) Module taught in: German or English						
	Method of assessment			written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							
11-TPE-161-m01	Experimental Particle Physics										
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) - Modu	+ R (1) Ile taught in: Germar	n or English					
	Method of assessment			written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							

11-ASP-161-m01	Introdu	uction t	o Space P	hysics				,			
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	,		+ R (1) ıle taught in: Gern	nan or English		,			
	Method	d of ass	essment	amina on/ta If a w form the le Asses	ation in groups (g ulk (approx. 30 mi ritten examination of an oral examina ecturer must inform essment offered: In	roups of 2, approx. 30 m nutes). n was chosen as method	inutes per candidate) o of assessment, this ma ach or an oral examinat four weeks prior to the he course is offered and	or project report (appro ay be changed and ass tion in groups. If the m original examination			
11-MAS-161-m01			gth Astro	<u> </u>							
	ECTS	6	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			/ (3) + R (1) Module taught in: German or English						
	Method of assessment			amina on/ta If a w form the le Asses	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester and/or English						
11-QM2-161-m01	Quantı	ım Mec	hanics II								
	ECTS	8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (4) + R (2) Module taught in: German or English							
	Method of assessment			amina on/ta If a w form the le Asses	ation in groups (g ulk (approx. 30 mi ritten examination of an oral examina ecturer must inform essment offered: In	roups of 2, approx. 30 m nutes). n was chosen as method	inutes per candidate) o of assessment, this ma ach or an oral examinat four weeks prior to the he course is offered and	or project report (appro ay be changed and ass tion in groups. If the m original examination			

11-RTT-161-m01	Theory	of Relativity		-					
	ECTS	6 Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		+ R (1) ule taught in: Germa	n or English	,			
	Method	d of assessmen	amir on/ta If a w form the la Asse	ation in groups (grou alk (approx. 30 minu vritten examination w of an oral examinati ecturer must inform s ssment offered: In th	rox. 90 to 120 minutes) or oral examination of oups of 2, approx. 30 minutes per candidate) or tes). It was chosen as method of assessment, this may on of one candidate each or an oral examination of one candidate each or an oral examination of the output of the output of the output of the course is offered and the course is of	project report (appro y be changed and ass on in groups. If the m original examination	essessment may instead take the nethod of assessment is changed, date at the latest.		
11-QVTP-161-m01	Many E	Body Quantum 1	heory						
	ECTS	8 Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		Y (4) + R (2) Module taught in: German or English					
	Method	d of assessmen	amin on/ta If a w form the la	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentati on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chang the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-PKS-161-m01	Physic	s of Complex Sy	stems						
	ECTS	6 Durati		1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (2) + R (2) Module taught in: German or English					
	Method	d of assessmen	amir on/ta If a w form the la	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					

11-QIC-161-mo1	Quantu	m Infor	mation a	nd Qua	ntum Computing	"					
	ECTS	6	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		V (3) -		aan ar Englich		,			
	Mathad	of occ	essment		le taught in: Germ		as) ar aral avamination a	of an a sandidata asah (approx. 30 minutes) or oral ex-		
	Method	or ass	essment	amina on/ta If a wi form of the le Asses Langu	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						
	Module complet	ted	,		1-QM2 or 11-TFK						
11-TFK-161-m01			lid State		s						
	ECTS	8	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		V (4) · Modu	+ R (2) le taught in: Germ	nan or English					
	Method of assessment			amina on/ta If a wi form of the le Asses	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chang the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English				x. 8 to 10 pages) or presentati- sessment may instead take the ethod of assessment is changed, date at the latest.		
11-TFK2-161-m01	Theoret	ical So	lid State	Physic	S 2			'			
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		Modu	+ R (2) le taught in: Germ						
	Method of assessment			amina on/ta If a wi form of the le Asses	ation in groups (gr lk (approx. 30 mir ritten examinatior of an oral examina cturer must inforn sment offered: In	roups of 2, approx. 30 nutes). In was chosen as methoation of one candidate in students about this b	minutes per candidate) on od of assessment, this ma each or an oral examinat by four weeks prior to the the course is offered and	or project report (appro ay be changed and ass tion in groups. If the m e original examination o			

11-FTFK-161-m01	Field TI	neory in Solid S	tate Ph	ysics						
	ECTS	8 Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (4) + R (2) Module taught in: German or English						
	Method	d of assessmen	amin on/ta If a w form the la Asse	ation in groups (grou alk (approx. 30 minut written examination w of an oral examinatio ecturer must inform s ssment offered: In th	rox. 90 to 120 minutes) or oral examination of ups of 2, approx. 30 minutes per candidate) or tes). was chosen as method of assessment, this ma on of one candidate each or an oral examinatistudents about this by four weeks prior to the ele semester in which the course is offered and German and/or English	r project report (appro by be changed and assion in groups. If the m original examination o	sessment may instead take the ethod of assessment is changed, date at the latest.			
11-TOPO-161-mo1	Topolo	gical Order								
	ECTS	6 Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		/ (3) + R (1) Module taught in: German or English						
	Method	d of assessmen	amin on/ta If a w form the la Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presenta on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chan the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						
11-TFP-161-m01	Topolo	gy in Solid Stat	e Physi	cs						
	ECTS	6 Durati		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English						
	Method	d of assessmen	amin on/ta If a w form the la Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						

11-TSL-161-m01	Theory	of Sup	erconduct	ivity			1	1			
	ECTS	6	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) - Modu	+ R (1) lle taught in: Germar	n or English					
	Method	l of ass	essment	amina on/ta If a w form the le Asses	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						
11-CMS-161-m01	Compu	tationa	l Material	s Scie	nce (DFT)						
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses				V (4) + R (2) Module taught in: German or English						
	Method of assessment			amina on/ta If a w form of the le	(approx. 30 minutes) or oral ex- ox. 8 to 10 pages) or presentati- sessment may instead take the ethod of assessment is changed, date at the latest.						
11-KFT-161-m01	Confor	nal Fie	ld Theory								
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English							
	Method of assessment			amina on/ta If a w form the le	ation in groups (grou lk (approx. 30 minul ritten examination w of an oral examinatio cturer must inform s ssment offered: In th	rox. 90 to 120 minutes) or oral examination of ups of 2, approx. 30 minutes per candidate) (tes). I was chosen as method of assessment, this means on of one candidate each or an oral examinated of the semester in which the course is offered and German and/or English	or project report (appronay be changed and assistion in groups. If the me original examination	sessment may instead take the ethod of assessment is changed, date at the latest.			

11-KFT2-161-m01	Confor	mal Field Theory	2		-				
	ECTS	6 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		+ R (1) ule taught in: German	n or English	,			
MCF (Company)	Method	d of assessment	amin on/ta If a w form the le Asse	ation in groups (grou alk (approx. 30 minut ritten examination w of an oral examinatio ecturer must inform s ssment offered: In th	rox. 90 to 120 minutes) or oral examination of or ups of 2, approx. 30 minutes per candidate) or p tes). I was chosen as method of assessment, this may long on of one candidate each or an oral examination students about this by four weeks prior to the or ne semester in which the course is offered and ir terman and/or English	oroject report (appro be changed and ass n in groups. If the m riginal examination o	sessment may instead take the lethod of assessment is changed, date at the latest.		
11-MSF-161-m01	Magne	tism and Spin Fl	uids						
	ECTS	6 Duratio		1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		/ (3) + R (1) Module taught in: German or English					
	Method	d of assessment	amin on/ta If a w form the le Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-TQP-161-m01	Topolo	gical Quantum F	hysics						
	ECTS	6 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (3) + R (1) Module taught in: German or English					
	Method	d of assessment	amin on/ta If a w form the le Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					

11-CRP-161-mo1	Renorn	 nalizati	on Group	and C	ritical Phenomena					
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modu	l level	graduate	
	Course	S	·		V (3) + R (1) Module taught in: German or English					
				amin on/ta If a w form the le Asse Lang	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-BWW-161-m01	Bosoni	sation	and Intera	ctions	s in One Dimension					
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modu	l level	graduate	
	Courses				/ (3) + R (1) Module taught in: German or English					
	Method of assessment			amin on/ta If a w form the le Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-EIT-161-m01	Gauge	Theorie	es							
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modu	l level	graduate	
	Course	S		V (3) + R (1) Module taught in: German or English						
	Method of assessment			written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						

11-GGD-161-m01	Introdu	ction to Gauge	/Gravity	y Duality					
	ECTS	8 Durat	on	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		+ R (2) ule taught in: Germar	n or English				
			amin on/ta If a w form the lo Asse Lang	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-EFQ-161-m01	Introdu	ction to Fractio	nal Qua	antisation					
	ECTS	6 Durat	on	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		/ (3) + R (1) Module taught in: German or English					
	Method	d of assessmen	amin on/ta If a w form the le Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or present on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chathe lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-TEF-161-m01	Topolo	gical Effects in	Electro	nic Systems					
	ECTS	6 Durat	on	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	s		V (3) + R (1) Module taught in: German or English					
	Method	d of assessmen	amin on/ta If a w form the le Asse	ation in groups (groualk (approx. 30 minutoritten examination word an oral examination secturer must inform secturer must inform secturer to the control of	rox. 90 to 120 minutes) or oral examination of ups of 2, approx. 30 minutes per candidate) or tes). vas chosen as method of assessment, this ma on of one candidate each or an oral examination students about this by four weeks prior to the semester in which the course is offered and efferman and/or English	r project report (appro by be changed and assion in groups. If the m original examination o	sessment may instead take the ethod of assessment is changed, date at the latest.		

11-FTAS-161-m01	Field Th	heoretic	al Aspect	s of S	olid State Physics					
	ECTS	6	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			V (3) + R (1) Module taught in: German or English					
	Method	d of ass	essment	amin on/ta If a w form the le Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-AKM-161-m01	Cosmo	logy								
	ECTS	6	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses				/ (3) + R (1) Module taught in: German or English					
	Method of assessment			amin on/ta If a w form the le Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral eamination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-AST-161-m01	Theore	tical As	trophysic	:5						
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (2) + R (2) Module taught in: German or English						
	Method of assessment			written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English						

11-APL-161-m01	High Er	nergy Astroph	sics						
	ECTS	6 Dura	ion	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		+ R (1) ule taught in: Germa	n or English				
	Method	d of assessme	amir on/t If a v form the l Asse	nation in groups (grou alk (approx. 30 minu vritten examination v of an oral examinati ecturer must inform s essment offered: In th	orox. 90 to 120 minutes) or oral examination of cups of 2, approx. 30 minutes per candidate) or putes). Ites). Ites). Ites of 2, approx. 30 minutes per candidate) or putes. Ites of conservation of assessment, this may foun of one candidate each or an oral examination is students about this by four weeks prior to the one semester in which the course is offered and its erman and/or English	project report (approrbe changed and asson in groups. If the moriginal examination of	sessment may instead take the ethod of assessment is changed, date at the latest.		
11-RQFT-161-m01	Relativ	istic Quantum	Field Th	eory					
	ECTS	8 Dura	ion	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		/ (4) + R (2) Module taught in: German or English					
	Method	d of assessme	amir on/t If a w form the l Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or preson/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead to form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					
11-QFT2-161-m01	Quantu	ım Field Theor	/ II						
	ECTS	8 Dura		1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (4) + R (2) Module taught in: German or English					
	Method	d of assessme	amir on/t If a v form the l Asse	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English					

11-TEP-161-m01	Theore	tical Elementary	Particl	e Physics							
	ECTS	8 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	V (4) - Modu	+ R (2) le taught in: Germar	n or English	•					
			amina on/ta If a wr form o the le Asses Langu	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German and/or English							
11-ATTP-161-m01	Selecte	ed Topics of Theo	retical	Elementary Particle	Physics						
	ECTS	6 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		(3) + R (1) odule taught in: German or English							
	Method	d of assessment	amina on/ta If a wr form o the le Asses	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or or amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or preservon/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead tak form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is characteristic characteristic contents about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							
11-BSM-161-mo1	Models	Beyond the Sta	ndard I	Model of Elementary	y Particle Physics						
	ECTS	6 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	V (3) + R (1) Module taught in: German or English								
	Method	d of assessment	amina on/ta If a wr form o the le Asses	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							

11-RMFT-161-m01	Renorm	nalizati	on Group	Metho	ds in Field Theory							
	ECTS	8	Duratio	n .	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	_		V (4) + R (2) Module taught in: German or English							
	Method	l of ass	essment	oral e prese If a wi form of the le Asses	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							
11-EPP-161-m01	Introdu	ction to	Plasma	Physic	S							
	ECTS	6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			(2) + R (2) lodule taught in: German or English							
	Method	l of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is characteristic form students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English								
11-NMA-161-mo1	Compu	tationa	l Astrophy	sics								
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (3) + R (1) Module taught in: German or English								
	Method	l of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English								

11-OHL-161-mo1	Organi	c Semi	onductor	S			1	'				
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	_	V (3) · Modu	+ R (1) lle taught in: Germar	n or English	,					
				oral e prese If a w form the le Asses Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							
11-BMT-161-m01	Biophy	sical M	easureme	nt Tec	hnology in Medical	Science						
	ECTS	6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			/ (3) + R (1) Module taught in: German or English							
	Method of assessment			oral e prese If a w form the le Asses	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) of presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chat the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							
11-NOP-161-mo1	Nano-C	ptics										
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (3) + R (1) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English								

11-NDS-161-m01	Low Di	mensio	nal Struct	ures				,				
	ECTS	6	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	:S		V (3)	+ R (1)							
				oral e prese If a w form the le Lange	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
		rerequi		Appro	oval from examinatio	on committee require	d.	,				
11-SUP-161-m01		onducti				_						
	ECTS	6	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (3) + R (1) Module taught in: German or English							
				oral e prese If a w form the le Asses Lange	examination in group entation/talk (approx ritten examination w of an oral examinatio ecturer must inform s ssment offered: In th uage of assessment:	is (groups of 2, approx. 30 minutes). It is chosen as methor on of one candidate of the can	ox. 30 minutes per candidated of assessment, this may leach or an oral examination y four weeks prior to the or the course is offered and ir	te) or d) project repo toe changed and ass n in groups. If the m iginal examination				
11-CSFM-161-m01	Advanc	ed Topi	ics in Soli	d Stat	e Physics			,				
	ECTS	6	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course				V (3) + R (1)							
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	oval from examinatio	n committee require	d.					

11-CSAM-161-m01	Advanced Topics in Astrophysics											
	ECTS	6	Duration)	1 semester	Method of gradin	g numerical grade	Modul level	graduate			
	Courses		Ī	V (3) +	- R (1)							
				oral expression of the lecture of th	written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) ral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) resentation/talk (approx. 30 minutes). a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ne lecturer must inform students about this by four weeks prior to the original examination date at the latest. anguage of assessment: German and/or English							
	other pre	•		Appro	val from examina	tion committee requi	red.					
11-FPA-161-m01	Visiting											
	ECTS	10	Duration			Method of gradin	g numerical grade	Modul level	graduate			
	Courses			R (o)	₹ (0)							
	Method	of asse	ssment	projec	oject report (10 to 20 pages) nguage of assessment: German and/or English							
	other pre	erequis				tion committee requi						
11-EXE5-161-m01		•	in Experi			tion committee requi	icu.		-			
	ECTS		Duration		1 semester	Method of gradin	g numerical grade	Modul level	graduate			
	Courses			V (2) +	- R (2)	, J		,				
	Method	of asse		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other pre	erequis	ites	Appro	val from examina	tion committee requi	red.					
11-EXE6-161-m01			in Experi		Physics							
	ECTS		Duration		1 semester	Method of gradin	g numerical grade	Modul level	graduate			
	Courses			V (3) +								
				a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other pre	erequis	ites	Appro	val from examina	Approval from examination committee required.						

11-EXE7-161-m01	Current	Topics	in Experi	menta	l Physics	-		-				
	ECTS	7	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	5		V (3)	+ R (1)							
	Method	l of ass	essment	oral e prese If a w form the le	written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) oresentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, he lecturer must inform students about this by four weeks prior to the original examination date at the latest. Canguage of assessment: German and/or English							
	other p	rerequi	sites	Appro	oval from examination	on committee required.						
11-EXE8-161-mo1	Current	Topics	in Experi	menta	l Physics							
	ECTS 8 Duration			1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	5		V (4)	(4) + R (2)							
				oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Approval from examination committee required.								
11-EXE6A-161-m01	Current	Topics	in Experi	menta	l Physics							
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	5		V (3) + R (1)								
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	oval from examination	on committee required.						

11-EXP6-161-mo1	Current	t Topics	in Physik	ζ		,						
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade		Modul level	graduate			
	Course	S		V (3) -	/ (3) + R (1)							
	Method	d of ass	essment	oral e prese If a wr form of the le	written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) ral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) resentation/talk (approx. 30 minutes). a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, he lecturer must inform students about this by four weeks prior to the original examination date at the latest. anguage of assessment: German and/or English							
	other p	rerequi	sites	Appro	oval from examinat	ion committee required.						
11-TDO-161-m01			ics and Ec	onomi	ics							
	ECTS	6	Duration		1 semester	Method of grading (not) successfully com	pleted	Modul level	graduate			
	Course	S			(3) + R (1) odule taught in: German or English							
	metnod	or ass	essment	oral e prese If a wi form of the le Asses	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chapter than the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							
11-EXT5-161-m01	Current	t Topics	of Theore	etical F	Physics							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade		Modul level	graduate			
	Course	S		V (2) -	V (2) + R (2)							
				a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	val from examinat	ion committee required.						

11-EXT6-161-m01	Current	t Topics	of Theore	etical	Physics							
	ECTS	6	Duratio	<u> </u>	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	,	V (3)	+ R (1)		•	•				
	Method	d of ass	essment	oral e prese If a w form the le) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) ral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). To a written examination was chosen as method of assessment, this may be changed and assessment may instead take the porm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. To anguage of assessment: German and/or English							
	other p	rerequi	sites	Appro	oval from examination	on committee required.						
11-EXT7-161-m01	Current	t Topics	of Theor	etical	Physics							
	ECTS	7	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course				(3) + R (1)							
				oral e prese If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other prerequisites			Approval from examination committee required.								
11-EXT8-161-m01	Current	t Topics	of Theor	etical I	etical Physics							
	ECTS	8	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (4) + R (2)								
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	oval from examination	on committee required.						

11-EXT6A-161-m01	Current	Topics	of Theore	etical	Physics							
	ECTS	6	Duration	n .	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	-	V (3)	V (3) + R (1)							
	Method	d of ass	essment	oral e prese If a w form the le Lange	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) oresentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p				oval from examination	on committee require	d.					
11-EXP6A-161-m01			in Physil									
		6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course				(3) + R (1)) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c)							
				prese If a w form the le	oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites	Approval from examination committee required.								
11-MRI-171-m01	Advanc	ed Mag	netic Res	onanc	e Imaging							
	ECTS	6	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: English								
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English								

11-STRG2-171-m01	String	Theory	2					,				
	ECTS	6	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			/ (3) + R (1) Module taught in: German or English							
	Method	l of ass	essment	oral e prese If a w form the le	written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) ral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) resentation/talk (approx. 30 minutes). a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ne lecturer must inform students about this by four weeks prior to the original examination date at the latest. ssessment offered: In the semester in which the course is offered and in the subsequent semester anguage of assessment: German and/or English							
11-STRG1-171-m01		Theory :	1		_							
	ECTS	8	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				(4) + R (2) odule taught in: German or English							
				oral e prese If a w form the le Asses Lange	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minute oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pag presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead to form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: German and/or English							
Module Area A: Foc					ECTS credits)							
MINT-B1-162-m01			ject Didac		1							
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1)								
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus								

MINT-B2-162-m01	Advan	ced Subj	ect Didac	tics 2										
	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	25		Modu	/ (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1)									
	Metho	d of asse	essment	(30 to term p Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus									
Module Area C: Inte		ational, interdisplinary research (10 ECTS credits)												
MINT-C1-162-m01		rch in Gr	oups											
	ECTS	5	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	graduate					
	Course	es		V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1)										
	Metho	d of asse	essment	(30 to term p Langu	60 minutes) or d) p paper (approx. 15 to	oprox. 90 to 120 minu ractical assignment i 25 pages, usually ch German and/or Engl	ncluding report (approx. 10 to a osen)	one candidate e 20 pages) and t	each (20 to 40 minutes) or c) talk alk (approx. 15 minutes) or e)					
MINT-C2-162-m01	Scient	ific Inter	nship											
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate					
	Courses			Modu	V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1)									
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus										

Module Area D: Sul	bject spe	cific ke	y skills (1	o ECTS	credits)							
MINT-D1-162-m01	Key Co	mpeten	ces for Te	aching Professions 1								
	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		Modu	V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1)							
	Method	l of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus								
MINT-D2-162-m01	Key Co	Key Competences for Teaching Professions 2										
	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		Modu	V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1)							
	Method	l of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus								