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## **Annex SFB**

## Studienfachbeschreibung (subject description, SFB) for the subject Mathematics International as a Master's with 1 major with the degree "Master of Science" (120 ECTS credits)

Responsible: Faculty of Mathematics and Computer Science Responsible: Institute of Mathematics Examination regulations version: 2021 Examination regulations version: 2021

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

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

#### ASPO2015

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

### 03-Feb-2021 (2021-6)

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

Every module will be described using the following form:

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

Compulsory Elec	tives (90 E	CTS cre	edits)								
Mathematics (30	ECTS crea	dits)									
10-M=AAA-	Applie	Applied Analysis									
Nin-152-m01	ECTS	ECTS 10 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			V (4) + Ü (2) Module taught in: English						
	Metho	d of ass	essment	b) ora c) ora Langu Asses	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) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus						
10-M=AAL-	Topics	in Alge	bra								
Gin-152-m01	ECTS 10 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	Courses			V (4) + Ü (2) Module taught in: English						
	Metho	Method of assessment			al examination of on l examination in gro Jage of assessment:	e candidate each (ap ups (groups of 2, 15 English	utes, usually chosen) or prox. 20 minutes) or ninutes per candidate) the course is offered an		emester		
10-M=ADG-	Differe	ntial Ge	eometry								
Min-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	Courses			V (4) + Ü (2) Module taught in: English						
	Method of assessment			b) ora c) ora Langu Asses	al examination of on l examination in gro Jage of assessment:	e candidate each (ap ups (groups of 2, 15 English			emester		

10-M=AFT-	Compl	ex Anal	ysis								
Hin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es	_ <b>.</b>		V (4) + Ü (2)						
					Module taught in: English						
	Metho	d of ass	essment	a) wri	a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or						
						groups (groups of 2, 15 minutes per candidate)					
				Langu	lage of assessme	nt: English					
					Assessment offered: In the semester in which the course is offered and in the subsequent semester						
10-M=AGM-	Coome	etric Str	ucturoc	crean	able for bonus						
Sin-152-mo1	ECTS	10	Duratio	<u> </u>	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	_	Duratio		+ Ü (2)	Method of grading Indifience grade	Modulievel	gladuate			
	course	.5			le taught in: Engl	ish					
	Metho	d of ass	essment			(approx. 90 to 120 minutes, usually chosen) or					
				b) ora	l examination of o	one candidate each (approx. 20 minutes) or					
					c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: English						
					Assessment offered: In the semester in which the course is offered and in the subsequent semester						
					creditable for bonus						
10-M=AI-	Industrial Statistics 1										
STin-152-m01	ECTS	10	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	Courses			V (4) + Ü (2) Module taught in: English						
	Metho	Method of assessment			a) written examination (approx. 90 to 120 minutes, usually chosen) or						
						one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candidate)					
					lage of assessme						
				Asses		the semester in which the course is offered and	in the subsequent se	emester			
10-M=AL-	Lie The	eory									
THin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	Courses			V (4) + Ü (2) Module taught in: English						
	Metho	Method of assessment				(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) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
				credit	able for bonus						

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10-M=ANG-	Numer	ic of Laı	ge Syster	ns of E	quations					
Gin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			V (4) + Ü (2) Module taught in: English					
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of c l examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and i	n the subsequent s	emester		
10-M=AOP-	Basics	in Opti	mization							
Tin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			+ Ü (2) Ile taught in: Engli	sh				
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of c l examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and i	n the subsequent s	emester		
10-M=AR-	Control Theory									
THin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	Courses			V (4) + Ü (2) Module taught in: English					
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of c l examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and i	n the subsequent s	emester		
10-M=ASM-	Stocha	stic Mo	dels of Ri	sk Ma	nagement					
Rin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	Courses		V (4) + Ü (2) Module taught in: English						
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of c l examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and i	n the subsequent s	emester		

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10-M=AST-	Stocha	stical P	rocesses							
Pin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			V (4) + Ü (2) Module taught in: English					
	Metho	d of ass	essment	b) ora c) ora Lang Asse	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and	in the subsequent se	emester		
10-M=ATO-	Topolo	gy								
Pin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			+ Ü (2) ıle taught in: Engli	sh				
	Metho	d of ass	essment	b) ora c) ora Lang Asse	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and	in the subsequent se	emester		
10-M=AVS-	Insurance Mathematics 1									
Min-152-m01	ECTS	ECTS 10 Duratio			1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	Courses			V (4) + Ü (2) Module taught in: 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) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus						
10-M=AZ-	Time S	eries Aı	nalysis 1							
RAin-152-m01	ECTS	10	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	Courses			V (4) + Ü (2) Module taught in: English					
	Metho	d of ass	essment	b) ora c) ora Lang Asse	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and	in the subsequent s	emester		

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10-M=AZTHin-152-	Numbe	r Theor	y							
m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			V (4) + Ü (2) Module taught in: English					
	Method	d of ass	essment	b) ora c) ora Langu Asses	ll examination of c l examination in g lage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and	l in the subsequent so	emester		
10-M=AGP-	Giovan	ni Prod	i Lecture (	Maste	r)					
Cin-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses			V (3) · Modu	+ Ü (1) Ile taught in: Engli	sh				
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	ll examination of c l examination in g Jage of assessmer	(approx. 60 to 90 minutes, usually chosen) or one candidate each (approx. 15 minutes) or roups (groups of 2, approx. 10 minutes per cand ot: English the semester in which the course is offered and		emester		
10-M=VA-	Selected Topics in Analysis									
NAin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses				V (4) + Ü (2) Module taught in: English					
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	ll examination of c l examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) ot: English the semester in which the course is offered and	l in the subsequent so	emester		
10-M=VAT-	Algebra	aic Topo	ology							
Pin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses			V (4) + Ü (2) Module taught in: English						
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	ll examination of c l examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) ot: English the semester in which the course is offered and	l in the subsequent se	emester		

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10-M=VFN-	Selecte	d Topic	s in Finar	ncial M	athematics					
Min-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	S			V (4) + Ü (2) Module taught in: English					
	Method	l of ass	essment	b) ora c) ora Langu Asses	al examination of Il examination in g Jage of assessme	(approx. 90 to 120 minutes, usually choser one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candida nt: English the semester in which the course is offered	r ate)	emester		
10-M=VGD-	Groups	and th	eir Repres	sentati	ions					
Sin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	S			+ Ü (2) Ile taught in: Engl	ish				
	Method	l of ass	essment	b) ora c) ora Langu Asses	al examination of Il examination in g Jage of assessme	(approx. 90 to 120 minutes, usually chosen one candidate each (approx. 20 minutes) of groups (groups of 2, 15 minutes per candida nt: English the semester in which the course is offered	r ate)	emester		
10-M=VGE-	Geometrical Mechanics									
Min-152-m01	ECTS 10 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	Courses			V (4) + Ü (2) Module taught in: English					
	Method	l of ass	essment	b) ora c) ora Langu Asses	al examination of Il examination in g Jage of assessme	(approx. 90 to 120 minutes, usually chosen one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candida nt: English the semester in which the course is offered	r ate)	emester		
10-M=VI-	Industr	ial Stat	istics 2							
STin-152-m01	ECTS	10	Duration		1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	Courses			V (4) + Ü (2) Module taught in: English					
	Method	l of ass	essment	b) ora c) ora Langu Asses	al examination of Il examination in g Jage of assessme	(approx. 90 to 120 minutes, usually choser one candidate each (approx. 20 minutes) o groups (groups of 2, 15 minutes per candida nt: English the semester in which the course is offered	r ate)	emester		

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10-M=VKA-	Field A	rithmet	ics							
Rin-152-m01	ECTS 10 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			+ Ü (2) ıle taught in: Engli	sh				
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	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) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus					
10-M=VN-	Numeri	ic of Pa	tial Diffe	rential	Equations					
PEin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			+ Ü (2) ıle taught in: Engli	sh				
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and i	n the subsequent s	emester		
10-M=VOP-	Selected Topics in Optimization									
Tin-152-m01	ECTS 10 Duration		n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	Courses			V (4) + Ü (2) Module taught in: English					
	Method of assessment			b) ora c) ora Langu Asses	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and i	n the subsequent s	emester		
10-M=V-	Statist	ical Ana	lysis							
STAin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (4) + Ü (2) Module taught in: English						
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and i	n the subsequent s	emester		

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10-M=VVS-	Insurar	nce Mat	hematics	2							
Min-152-mo1	ECTS 10 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	_	V (4) Modu	+ Ü (2) Ile taught in: Engli	sh					
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of o l examination in g Jage of assessme	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and	in the subsequent s	emester			
10-M=VZ-	Time S	eries Ar	nalysis 2								
RAin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) Ile taught in: Engli	sh					
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of a l examination in g uage of assessme	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or groups (groups of 2, 15 minutes per candidate) nt: English the semester in which the course is offered and	in the subsequent se	emester			
10-M=VDI-	Discrete Mathematics										
Min-152-m01	ECTS	ECTS 5 Duration		n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ Ü (1) Ile taught in: Engli	sh					
	Method of assessment			b) ora c) ora Langu Asses	al examination of l examination in g Jage of assessme	(approx. 60 to 90 minutes, usually chosen) or one candidate each (approx. 15 minutes) or groups (groups of 2, approx. 10 minutes per cand nt: English the semester in which the course is offered and	·	emester			
10-M=VDSY-	Dynam	ical Sys	stems								
in-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	Courses			V (3) + Ü (1) Module taught in: English						
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of o l examination in g Jage of assessme	(approx. 60 to 90 minutes, usually chosen) or one candidate each (approx. 15 minutes) or groups (groups of 2, approx. 10 minutes per cand nt: English the semester in which the course is offered and		emester			

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10-M=V-	Aspect	s of Ge	ometry								
GEOin-152-mo1	ECTS 5 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) +		· · ·	· · · ·				
					le taught in: Engl						
	Methoo	d of ass	essment	a) writ	tten examination	(approx. 60 to 90 minutes, usually chosen) or one candidate each (approx. 15 minutes) or					
						groups (groups of 2, approx. 10 minutes) of	ndidate)				
				Langu	age of assessme	ent: English					
					sment offered: Ir able for bonus	n the semester in which the course is offered an	id in the subsequent s	emester			
10-M=V-	Mathe	matical	Continuu								
KOMin-152-mo1		5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			V (3) +	+ Ü (1)			0			
					le taught in: Engl	ish					
	Method	d of ass	essment			(approx. 60 to 90 minutes, usually chosen) or					
						one candidate each (approx. 15 minutes) or groups (groups of 2, approx. 10 minutes per car	(atchibre				
					age of assessme		nuluale)				
				Asses	Assessment offered: In the semester in which the course is offered and in the subsequent semester						
				credit	able for bonus						
10-M=VMB- Vin-152-m01			Imaging					1			
VIII-152-III01	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	Courses			V (3) + Ü (1) Module taught in: English						
	Method of assessment				a) written examination (approx. 60 to 90 minutes, usually chosen) or						
						one candidate each (approx. 15 minutes) or groups (groups of 2, approx. 10 minutes per car	(atching				
					lage of assessme						
					sment offered: Ir able for bonus	the semester in which the course is offered an	nd in the subsequent se	emester			
10-M=VM-	Selecte	ed Topi	s in Math	ematic	al Physics						
PHin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	_		V (4) + Ü (2) Module taught in: English						
	Metho	d of ass	essment	a) writ	a) written examination (approx. 90 to 120 minutes, usually chosen) or						
				b) ora	l examination of	one candidate each (approx. 20 minutes) or					
				c) oral	l examination in g	groups (groups of 2, 15 minutes per candidate)					
					age of assessme sment offered: Ir	nt: English I the semester in which the course is offered an	id in the subsequent s	emester			
					able for bonus		ia in the subsequent s				

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10-M=V-	Selecte	ed Topi	cs in Cont	rol The	eory							
TRTin-152-m01	ECTS 10 Duration			n	1 semester	Method of grading numerica	ll grade	Modul level	graduate			
	Course	S			+ Ü (2) ıle taught in: Engl	sh						
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	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) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus							
10-M=VI-	Inverse	e Proble	ems									
PRin-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerica	ıl grade	Modul level	graduate			
	Course	S			+ Ü (1) ıle taught in: Engl	sh						
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of I examination in g Jage of assessme	(approx. 60 to 90 minutes, usual one candidate each (approx. 15 m groups (groups of 2, approx. 10 m nt: English the semester in which the course	inutes) or inutes per candidate		emester			
10-M=VMT-	Module	Module Theory										
Hin-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerica	ll grade	Modul level	graduate			
	Course	Courses			V (3) + Ü (1) Module taught in: English							
	Method of assessment			b) ora c) ora Langu Asses	al examination of I examination in g Jage of assessme	(approx. 60 to 90 minutes, usual one candidate each (approx. 15 m groups (groups of 2, approx. 10 m nt: English the semester in which the course	inutes) or inutes per candidate	-	emester			
10-M=VNA-	Non-lin	iear Ana	alysis									
Nin-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerica	ıl grade	Modul level	graduate			
	Course	S			V (3) + Ü (1) Module taught in: English							
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of I examination in g Jage of assessme	(approx. 60 to 90 minutes, usual one candidate each (approx. 15 m groups (groups of 2, approx. 10 m nt: English the semester in which the course	inutes) or inutes per candidate		emester			

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10-M=V0-	Optima	al Contr	ol							
STin-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numeric	al grade	Modul level	graduate	
	Course	S			+ Ü (1) ıle taught in: Engli	sh				
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	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) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus					
10-M=VVSY-	Networ	rked Sy	stems							
in-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numeric	al grade	Modul level	graduate	
	Course	S			+ Ü (1) ıle taught in: Engli	sh				
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of c Il examination in g Jage of assessmer	(approx. 60 to 90 minutes, usua one candidate each (approx. 15 r roups (groups of 2, approx. 10 r ht: English the semester in which the cours	minutes) or ninutes per candidate		emester	
10-M=VK-	Complex Geometry									
GEin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numeric	al grade	Modul level	graduate	
	Course	Courses			V (4) + Ü (2) Module taught in: English					
	Method of assessment			b) ora c) ora Langu Asses	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usu one candidate each (approx. 20 roups (groups of 2, 15 minutes p nt: English the semester in which the cours	minutes) or oer candidate)	e subsequent s	emester	
10-M=VPD-	Partial	Differe	ntial Equa	tions	of Mathematical P	hysics				
Pin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numeric	al grade	Modul level	graduate	
	Course	S			V (4) + Ü (2) Module taught in: English					
	Methoo	d of ass	essment	b) ora c) ora Langu Asses	al examination of c Il examination in g Jage of assessmer	(approx. 90 to 120 minutes, usu one candidate each (approx. 20 roups (groups of 2, 15 minutes p nt: English the semester in which the cours	minutes) or oer candidate)	e subsequent s	emester	

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10-M=V-	Pseudo	Riema	nnian and	Riem	annian Geometry					
PRGin-152-mo1	ECTS 10 Duration		n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) Ile taught in: Englis	h				
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of or l examination in gro uage of assessment	approx. 90 to 120 minutes, usually chosen) or ne candidate each (approx. 20 minutes) or oups (groups of 2, 15 minutes per candidate) :: English he semester in which the course is offered and i	n the subsequent s	emester		
10-M=AFA-	Functio	onal An	alysis							
Nin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		Modu	+ Ü (2) Ile taught in: Englis					
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of or l examination in gro uage of assessment	approx. 90 to 120 minutes, usually chosen) or ne candidate each (approx. 20 minutes) or oups (groups of 2, 15 minutes per candidate) :: English he semester in which the course is offered and i	n the subsequent se	emester		
10-M=VAD-	Applied Differential Geometry									
Gin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		V (4) + Ü (2) Module taught in: English							
	Method of assessment			b) ora c) ora Langu Asses	al examination of or l examination in gro uage of assessment	approx. 90 to 120 minutes, usually chosen) or ne candidate each (approx. 20 minutes) or oups (groups of 2, 15 minutes per candidate) :: English he semester in which the course is offered and i	n the subsequent s	emester		
10-M=VG-	Giovan	ni Prod	i Lecture S	Select	ed Topics (Master)					
PSin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (4) + Ü (2) Module taught in: English						
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of or l examination in gro uage of assessment	approx. 90 to 120 minutes, usually chosen) or he candidate each (approx. 20 minutes) or oups (groups of 2, 15 minutes per candidate) :: English he semester in which the course is offered and i	n the subsequent s	emester		

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10-M=VG-	Giovan	Giovanni Prodi Lecture Advanced Topics (Master)										
PAin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			V (4) + Ü (2) Module taught in: English							
	Methoo	d of ass	essment	b) ora c) ora Lang Asses	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) anguage of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus							
10-	Giovan	ni Prod	i Lecture l	Moder	n Topics (Master)							
M=VGPMin-152-	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
mo1	Course	S			/ (4) + Ü (2) Nodule taught in: English							
	Methoo	d of ass	essment	b) ora c) ora Lang Asses	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) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus							
10-M=VGF-	Geome	tric Con	nplex Ana	lysis								
Tin-211-m01	ECTS	10	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				V (4) + Ü (2) Module taught in: English							
	Methoo	d of ass	essment	b) ora c) ora Langi Asses	al examination of o al examination in g uage of assessmer	approx. 90 to 120 minutes, usually chosen) or ne candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) t: English the semester in which the course is offered and ir	n the subsequent s	emester				
10-M=VNA-	Selecte	ed Topic	s in Num	erical	and Applied Mathe	matics						
Min-211-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			V (4) + Ü (2) Module taught in: English							
	Methoo	d of ass	essment	b) ora c) ora Langi Asses	al examination of o al examination in g uage of assessmer	approx. 90 to 120 minutes, usually chosen) or ne candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) t: English the semester in which the course is offered and ir	n the subsequent s	emester				

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10-M=VKRY-	Crypto	Cryptography/Coding Theory										
in-211-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S	_		/ (4) + Ü (2) Module taught in: English							
	Metho	d of ass	essment	b) ora c) ora Langu Asses	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) anguage of assessment: English Assessment offered: in the semester in which the course is offered and in the subsequent semester creditable for bonus							
10-M=VCA-	Compu	iter Alge	ebra									
Lin-211-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S			/ (4) + Ü (2) Aodule taught in: English							
	Metho	d of ass	essment	b) ora c) ora Langu Asses	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) canguage of assessment: English Assessment offered: in the semester in which the course is offered and in the subsequent semester creditable for bonus							
10-M=VAZ-	Algorit	hmic Nu	umber The	eory								
Tin-211-m01	ECTS	10	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	Courses			V (4) + Ü (2) Module taught in: English							
	Metho	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) Language of assessment: English Assessment offered: in the semester in which the course is offered and in the subsequent semester creditable for bonus								
10-M=VA-	Algebr	aic Geo	metry									
GEin-211-m01	ECTS	10	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			V (4) + Ü (2) Module taught in: English							
	Metho	d of ass	essment	b) ora c) ora Langu Asses	al examination of o l examination in g Jage of assessmer	(approx. 90 to 120 minutes, usually chosen) or one candidate each (approx. 20 minutes) or roups (groups of 2, 15 minutes per candidate) ot: English the semester in which the course is offered and	in the subsequent s	emester				

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Research in Groups and Seminars (20 ECTS credits)											
10-M=GAL-	Research in G	oups - Al	gebra								
Gin-152-m01	ECTS 10	Duratio	n 1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	_ <u>}</u>	V (2) + S (2) Module taught in: Engl	ish		·					
	Method of ass	essment		Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=GDI-	Research in G	oups - Di	crete Mathematics								
Min-152-m01	ECTS 10	Duratio	n 1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + S (2) Module taught in: Engl	/ (2) + S (2) Module taught in: English							
	Method of ass	essment		anguage of assessment: English ssessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=GDS-	Research in G	oups - Dy	/namical Systems and C	ontrol Theory							
Cin-152-m01	ECTS 10	Duratio	n 1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + S (2) Module taught in: English								
	Method of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
10-M=G-	Research in Groups - Complex Analysis										
COAin-152-m01	ECTS 10	Duratio	n 1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + S (2) Module taught in: English								
	Method of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
10-M=GGM-	Research in G	oups - Ge	eometry and Topology								
Tin-152-m01	ECTS 10	Duratio	n 1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	_	V (2) + S (2) Module taught in: English								
	Method of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								

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10-M=GMC-	Research in Groups - Mathematics in Context											
Xin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S			/ (2) + S (2) Nodule taught in: English							
	Metho	d of ass	essment	Lang	alk (60 to 120 minutes) anguage of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=GMS-	Resear	rch in Gi	roups - Ma	athem	thematics in the Sciences							
Cin-152-m01	ECTS 10 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				V (2) + S (2) Module taught in: English							
	Metho	d of ass	essment	Lang	lk (60 to 120 minutes) anguage of assessment: English ssessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=GMAI- in-152-m01	Resear	Research in Groups - Measure and Integral										
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				V (2) + S (2) Module taught in: English							
	Method of assessment			Lang	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=GN-	Research in Groups - Numerical Mathematics and Applied Analysis											
MAin-152-mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		V (2) + S (2) Module taught in: English								
	Metho	d of ass	essment	Lang	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=GRO-	Resear	rch in Gi	roups - Ro	botics	, Optimization and (	Control Theory						
Cin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S			V (2) + S (2) Module taught in: English							
	Metho	d of ass	essment	Lang	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

10-M=GT-	Resear	Research in Groups - Time Series Analysis											
SAin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	_		V(2) + S(2)								
					Module taught in: English								
	Metho	d of ass	essment		talk (60 to 120 minutes) Language of assessment: English								
							the course is offered and	l in the subsequent se	emester				
10-M=G-	Resear	rch in Gr	oups - St		Assessment offered: In the semester in which the course is offered and in the subsequent semester <b>tistics</b>								
STAin-152-mo1	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			~	+ S (2)				0				
					Module taught in: English								
	Metho	d of ass	essment		60 to 120 minutes)								
					anguage of assessment: English								
A CNTHE A	Deserve	Assessment offered: In the semester in which the course is offered and in the subsequent semester Research in Groups - Number Theory											
10-M=GNTHin-152- m01		-			· · · · · · · · · · · · · · · · · · ·		• • •		1				
	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				V (2) + S (2) Module taught in: English								
	Method of assessment				60 to 120 minutes)								
					Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
10-M=GCQ-	Assessment offered: In the semester in which the course is offered and in the subsequent semester Research in Groups - Control Theory of Quantum Mechanical Systems												
Sin-152-mo1	ECTS		Duratio			Method of grading	numerical grade	Modul level	graduata				
		10	Duratio		1 semester	method of grading	numerical grade	Modul level	graduate				
	Course	25		V (2) + S (2) Module taught in: English									
	Metho	d of ass	essment		talk (60 to 120 minutes)								
					Language of assessment: English								
10-M=GD-	Bacaa	ch in Ci			Assessment offered: In the semester in which the course is offered and in the subsequent semester ferential Geometry								
GEin-152-mo1	ECTS	10	Duratio		· · · · ·	Method of grading	numerical grade	Madullaval	graduata				
		I	Duratio		1 semester	method of grading	numerical grade	Modul level	graduate				
	Course	25			V (2) + S (2) Module taught in: English								
	Metho	d of ass	essment		60 to 120 minutes)								
					uage of assessment:								
				Asses	ssment offerea: In th	le semester in which '	the course is offered and	i in the subsequent se	emester				

10-M=GDF-	Resear	rch in G	roups - De	eforma	tion Quantization							
Qin-152-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es			f(2) + S(2)							
					Module taught in: English							
	Metho	d of ass	essment		talk (60 to 120 minutes)							
					Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=GN-	Resear	rch in G	roups - No		n-linear Analysis							
LAin-152-m01	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	Courses			+ S (2)		0		10			
				Modu	Module taught in: English							
	Metho	d of ass	essment		60 to 120 minutes)							
					anguage of assessment: English							
10-M=GO-	Resear	Assessment offered: In the semester in which the course is offered and in the subsequent semester  Research in Groups - Operator Algebras										
PAin-152-mo1	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course		Duratio		+ S (2)	method of grading	numeneur grade	modullevel	3.44446			
	course				ile taught in: English	1						
	Method of assessment				60 to 120 minutes)							
					Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
10-M=SAD-	Seminar in Applied Differential Geometry											
Gin-152-mo1		5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course		Duratio	S (2)			numencai giaue	Modulilevel	giaduate			
	Course	:5		Module taught in: English								
	Metho	d of ass	essment		talk (60 to 120 minutes)							
				Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
10-M=SAL-	Semina	ar in Alg	rebra	///////////////////////////////////////								
Gin-152-m01		5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	-	2 di di ci	S (2)								
					lle taught in: English	1						
	Metho	d of ass	essment		60 to 120 minutes)							
					lage of assessment		the course is afferral -	nd in the cubar success -	mastar			
				Asses	ssment offerea: In tr	le semester in which	the course is offered a	nd in the subsequent se	emester			

10-M=SDS-	Seminar i	Seminar in Dynamical Systems and Control											
Cin-152-m01	ECTS 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		S (2) Mod	ule taught in: English	1			_					
	Method o	f assessmer	Lang	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
10-M=S-	Seminar in Complex Analysis												
COAin-152-m01	ECTS 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		S (2) Mod	S (2) Module taught in: English									
	Method o	f assessmer	Lang	(60 to 120 minutes) uage of assessment: ssment offered: In th		the course is offered and in	the subsequent se	emester					
10-M=SFI- Min-152-m01	Seminar i	n Financial a	nd Insu	nsurance Mathematics									
	ECTS 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		S (2) Mod	ule taught in: English	1								
	Method o	fassessmer	Lang	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
10-M=SGTO-	Seminar in Geometry and Topology												
in-152-m01	ECTS 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			S (2) Module taught in: English									
	Method o	fassessmer	Lang	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
10-M=SGP-	Giovanni	Prodi Semin	ar (Mas	ter)									
Cin-152-m01	ECTS 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			S (2) Module taught in: English									
	Method o	f assessmer	Lang	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									

10-M=SID-	Interdisc	iplina	ry Semin	ar							
Cin-152-m01	ECTS 5	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (2)							
					Module taught in: English						
	Method	ofass	essment		talk (60 to 120 minutes)						
					Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
10-M=SMS-	Seminar	Math	ematics i								
Cin-152-m01	ECTS 4		Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (2)	1		0				
				Modu	Module taught in: English						
	Method	ofass	essment		60 to 120 minutes)						
					uage of assessment						
10 M-SN	Cominer	Assessment offered: In the semester in which the course is offered and in the subsequent semester Seminar in Numerical Mathematics and Applied Analysis									
10-M=SN- MAin-152-m01					,,,				Laura dura ta		
101	ECTS 5	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (2) Modi	Module taught in: English						
	Method of assessment				talk (60 to 120 minutes)						
					Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
10-M=SOP-	Seminar	Seminar in Optimization									
Tin-152-mo1	ECTS 4		Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	,		S (2)							
				Module taught in: English							
	Method	ofass	essment		talk (60 to 120 minutes)						
				Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
				Asses	ssment offered: In th	he semester in which	the course is offered a	ind in the subsequent se	emester		
10-M=S- STAin-152-m01	Seminar		r								
51AIII-152-11101	ECTS 5	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses				S (2) Module taught in: English						
	Method	ofass	essment		60 to 120 minutes)						
					uage of assessment						
				Asses	Assessment offered: In the semester in which the course is offered and in the subsequent semester						

10-M=SN-	Seminar in Non-linear Analysis												
LAin-152-m01	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	25		S (2) Module taught in: English									
	Metho	d of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
10-M=SA-	Semin	ar in Ap	plied Mat	hemat	ics								
MAin-211-m01	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		S (2) Module taught in: English									
	Metho	d of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: in the semester in which the course is offered and in the subsequent semester									
10-M=GLI- Ein-211-m01	Research in Groups - Lie Theory												
	ECTS 10 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		V (2) + S (2) Module taught in: English									
	Metho	d of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: in the semester in which the course is offered and in the subsequent semester									
10-M=GAD-	Resear	rch in Gı	roups - Ap	plied	Differential Geometr	ŷ							
Gin-211-m01	ECTS 10 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		V (2) + S (2) Module taught in: English									
	Metho	d of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: in the semester in which the course is offered and in the subsequent semester									
10-M=GMA- Pin-211-m01	Resear	r <mark>ch in</mark> Gı	roups - Ma	athem	thematical Physics								
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	25		V (2) + S (2) Module taught in: English									
	Metho	d of ass	essment	talk (60 to 120 minutes) Language of assessment: English Assessment offered: in the semester in which the course is offered and in the subsequent semester									

Thesis (30 ECTS credits)											
10-M=MA- MI-152-m01	Master Thesis Mathematics International										
	ECTS	30	o Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			No courses assigned to module							
	Method	d of asse	essment	Master's thesis (750 to 900 hours total) Registration and assignment of topic in consultation with supervisor. Language of assessment: English							
	Additional Information			Time to complete: 6 months							