

Annex SFB

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

Responsible: Institute of Mathematics Examination regulations version: 2010 Abbreviations used: Course types: $\mathbf{E} = \text{field trip}$, $\mathbf{K} = \text{colloquium}$, $\mathbf{O} = \text{conversatorium}$, $\mathbf{P} = \text{placement/lab course}$, $\mathbf{R} = \text{project}$, $\mathbf{S} = \text{seminar}$, $\mathbf{T} = \text{tutorial}$, $\mathbf{\ddot{U}} = \text{exercise}$, \mathbf{V} = lecture Term: **SS** = summer semester, **WS** = winter semester Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = list of modules Other: A =thesis, LV =course(s), PL =assessment(s), TN =participants, VL =prerequisite(s) Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-Conventions for the modules in this SFB: ditable for bonus. Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me-Information on thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the assessment procedures: customary manner. Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below. Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

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

ASP02009

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

05-Jul-2010 (2010-35)

14-Jul-2011 (2011-69)

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

Mathematics											
Advanced Program	me (15 l	ECTS cree	dits)								
10-M=ARTH-102-	Introd	uction to	Control	Theory							
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	es		V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of asse	essment	oral examination (approx. 90 to 120 minutes); if announced by the fecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters.							
	other prerequisites			Regist corda (e.g. tails a asses turer in the admis	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.						
10-M=AAAN-102-	Applie	d Analys	is								
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	es		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment		essment	At the (90 to 2, app Asses se off Langu	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters. Language of assessment: German, English						
	other prerequisites			Regist corda (e.g. tails a asses turer in the admis	tration for the exerci nce with the specifi successful completi it the beginning of th sment. If students h will put their registra current or in the sul ssion to assessment	se must be made via ed registration deadl on of a certain perce ne course. Registration have obtained the qua ation for assessment bsequent semester. If anew.	SB@home at the beginning of ines. Certain prerequisites munitage of exercises). The lectur on for the exercise will be con- alification for admission to as into effect. Students who mee for assessment at a later date	of the course or a ust be met to qua rer will inform stu sidered a declara sessment over th et all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for		

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 3 / 56

10-M=AAL-	Topic	s in Alge	bra								
G-102-m01	ECTS	10	Duratio	n	1 semester	Method of grading n	umerical grade	Modul level	graduate		
	Cours	ses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Meth	od of ass	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour- se offered on demand or every four semesters. Language of assessment: German, English							
	other	r prerequi	sites	cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
10-M=ADG-	Diffe	rential Ge	eometry								
M-102-m01	ECTS	10	Duration	n	1 semester	Method of grading n	umerical grade	Modul level	graduate		
	Cours	ses		V + Ü	(no information on	SWS (weekly contact ho	ours) and course language av	vailable)			
	Meth	od of ass	essment	At the (90 to 2, app Asses se off Langu	beginning of the co 120 minutes), b) or prox. 30 minutes) sment offered: Asso ered on demand or lage of assessment:	ourse, the lecturer will c ral examination of one c essment offered in the s every four semesters. : German, English	hoose one of the following n candidate each (approx. 20 r semester in which the course	nethods of asses minutes), c) oral e is offered and i	ssment: a) written examination examination in groups (groups of n the subsequent semester, cour-		
	other	r prerequi	sites	Regist corda (e.g. tails a asses turer in the admis	tration for the exerc nce with the specifi successful complet it the beginning of t sment. If students h will put their registra current or in the su	ise must be made via S ed registration deadline ion of a certain percenta he course. Registration have obtained the quali ation for assessment in bsequent semester. For t anew.	B@home at the beginning or es. Certain prerequisites must age of exercises). The lecture for the exercise will be cons fication for admission to ass to effect. Students who mee r assessment at a later date,	f the course or as st be met to qual er will inform stu- idered a declara sessment over th t all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for		

10-M=AFT-	Compl	ex Analy	vsis						
H-102-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	25	_	V + Ü	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)	
	Metho	d of asso	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour- se offered on demand or every four semesters. Language of assessment: German, English					
	other prerequisites		Regist corda (e.g. tails a asses turer in the admis	tration for the exerci- nce with the specific successful completi- st the beginning of tl sment. If students h will put their registra- current or in the su ssion to assessment	ise must be made via ed registration deadli on of a certain percer he course. Registration have obtained the qua ation for assessment bsequent semester. F	SB@home at the beginning of ines. Certain prerequisites must ntage of exercises). The lecturer on for the exercise will be consid alification for admission to asse into effect. Students who meet For assessment at a later date, s	the course or a t be met to qua will inform stu dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to le course of the semester, the lec- is will be admitted to assessment we to obtain the qualification for	
10-M=AGMS-102-	Geome	etric Stru	ictures						
m01	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	s	-	V + Ü	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)	
	Method of assessment		At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English						
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.					

10-M=AIST-102-	Industr	rial Stat	istics 1							
m01	ECTS	10	Duratior	۱	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)		
	Method	d of ass	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English						
	other p	rerequi	sites	Regist cordat (e.g.s tails a asses turer v in the admis	ration for the exerci- nce with the specifie successful completion t the beginning of the sment. If students ho vill put their registra current or in the sub- sion to assessment	se must be made via ed registration deadli on of a certain percer ne course. Registratio ave obtained the qua tion for assessment osequent semester. F anew.	SB@home at the beginning of ines. Certain prerequisites mus ntage of exercises). The lecture on for the exercise will be consi alification for admission to asso into effect. Students who meet For assessment at a later date, s	the course or as t be met to qual r will inform stu- dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for	
10-M=ALTH-102-	Lie The									
m01	ECTS 10 Duratio			۱	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)		
	Method of assessment			At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters. Language of assessment: German, English						
	other p	rerequi	sites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.						

10-M=ANG-	Numeri	ic of larg	ge Systems	s of E	quations					
G-102-m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S	١	V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)		
	Method	d of asse	essment /	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English						
	other p	rerequis	sites	Regis corda (e.g. tails a asses turer v in the admis	tration for the exerci nce with the specific successful completi it the beginning of th sment. If students h will put their registra current or in the sul ssion to assessment	se must be made via ed registration deadl on of a certain perce ne course. Registration ave obtained the qu tion for assessment osequent semester. I anew.	SB@home at the beginning of ines. Certain prerequisites mus ntage of exercises). The lecture on for the exercise will be consi alification for admission to ass into effect. Students who meet For assessment at a later date,	the course or a t be met to qua r will inform stu dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment we to obtain the qualification for	
10-M=AOP-	Basics of Optimization									
T-102-m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S	١	V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)		
	Methoo	d of asse	essment /	At the (90 to 2, app Asses se off Langu	beginning of the co 120 minutes), b) or prox. 30 minutes) sment offered: Asse ered on demand or lage of assessment:	urse, the lecturer wil al examination of on ssment offered in th every four semesters German, English	l choose one of the following m e candidate each (approx. 20 n e semester in which the course	nethods of asses ninutes), c) oral is offered and i	ssment: a) written examination examination in groups (groups of n the subsequent semester, cour-	
	other p	rerequis	sites	Regis corda (e. g. tails a asses turer v in the admis	tration for the exerci nce with the specific successful completi it the beginning of th sment. If students h will put their registra current or in the sul ssion to assessment	se must be made via ed registration deadl on of a certain perce ne course. Registration ave obtained the qu tion for assessment osequent semester. I anew.	SB@home at the beginning of ines. Certain prerequisites mus ntage of exercises). The lecture on for the exercise will be consi alification for admission to ass into effect. Students who meet for assessment at a later date,	the course or a t be met to qua r will inform stu dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment we to obtain the qualification for	

10-M=ASM-	Stocha	chastic Models for Risk Analysis										
R-102-m01	ECTS	10	Duration	ı 🦷	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language ava	ailable)				
	Methoo	d of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English								
	other prerequisites			Regist cordan (e.g.s tails a asses turer v in the admis	ration for the exercises ace with the specifies successful completion t the beginning of the sment. If students he vill put their registra current or in the sub- sion to assessment	se must be made via ed registration deadli on of a certain percen- ne course. Registratic ave obtained the qua- tion for assessment osequent semester. F anew.	SB@home at the beginning of t ines. Certain prerequisites must ntage of exercises). The lecturer on for the exercise will be consid alification for admission to asse into effect. Students who meet a For assessment at a later date, s	the course or as be met to qual will inform stud lered a declarat ssment over th all prerequisite tudents will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for			
10-M=AST-	Stochastical Processes											
P-102-m01	ECTS 10 Duratio		Duration	1 I	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Methoo	d of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English								
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

10-M=A-	Topol	ogy										
TOP-102-m01	ECTS	10	Duration	า	1 semester	Method of grading	g numerical grade		Modul level	graduate		
	Cours	es		V + Ü	✓ + Ü (no information on SWS (weekly contact hours) and course language available)							
	Metho	od of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour- se offered on demand or every four semesters. Language of assessment: German, English								
	other prerequisites			cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
10-M=AVS-	Insura	ance Mat	hematics									
M-102-m01	ECTS	10	Duration	1	1 semester	Method of grading	g numerical grade		Modul level	graduate		
	Cours	es		V + Ü	(no information on	SWS (weekly contac	t hours) and course	language ava	ailable)			
	Method of assessment other prerequisites			At the (90 to 2, app Asses se off Langu	beginning of the co 120 minutes), b) o prox. 30 minutes) sment offered: Ass ered on demand or lage of assessment	ourse, the lecturer w ral examination of o essment offered in t every four semester : German, English	vill choose one of the ne candidate each (a he semester in which 's.	following mapprox. 20 m	ethods of asses inutes), c) oral is offered and i	ssment: a) written examination examination in groups (groups of n the subsequent semester, cour-		
				Regist corda (e.g. tails a asses turer in the admis	tration for the exerce nce with the specifi successful complet tt the beginning of t sment. If students l will put their registr current or in the su ssion to assessmen	ise must be made v ed registration deac ion of a certain perc he course. Registrat nave obtained the q ation for assessmer bsequent semester t anew.	ia SB@home at the b dlines. Certain prerec entage of exercises). ion for the exercise v ualification for admis it into effect. Student . For assessment at a	beginning of quisites must . The lecturer will be consid ssion to asse ts who meet a later date, s	the course or a t be met to qua r will inform stu dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment we to obtain the qualification for		

10-M=AZ-	Time S	eries An	alysis 1							
RA-102-m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S	١	V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)		
	Methoo	d of asse	essment / (2	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English						
	other p	rerequis	sites F (t t i i	Regist corda (e.g.s tails a asses turer v in the admis	ration for the exerci nce with the specific successful completion t the beginning of the sment. If students h vill put their registra current or in the sub sion to assessment	se must be made via ed registration deadli on of a certain percente ne course. Registration ave obtained the qua tion for assessment osequent semester. F anew.	SB@home at the beginning of ines. Certain prerequisites mus- ntage of exercises). The lecture on for the exercise will be consid- alification for admission to asse- into effect. Students who meet For assessment at a later date, s	the course or as t be met to qual will inform stu- dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for	
10-M=AZTH-102-	Number Theory									
m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S	١	V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)		
	Methoo	d of asse	essment / (2 / s	At the (90 to 2, app Asses se offe Langu	beginning of the co 120 minutes), b) or orox. 30 minutes) sment offered: Asse ered on demand or e age of assessment:	urse, the lecturer wil al examination of on ssment offered in the every four semesters. German, English	l choose one of the following m e candidate each (approx. 20 m e semester in which the course	ethods of asses inutes), c) oral is offered and i	ssment: a) written examination examination in groups (groups of n the subsequent semester, cour-	
	other p	rerequis	sites F c (t t i i z	Regist corda (e.g.s tails a asses turer v in the admis	ration for the exerci nce with the specifie successful completi- t the beginning of th sment. If students h vill put their registra current or in the sub sion to assessment	se must be made via ed registration deadli on of a certain percent ne course. Registration ave obtained the qua tion for assessment psequent semester. F anew.	SB@home at the beginning of ines. Certain prerequisites mus- ntage of exercises). The lecture on for the exercise will be consid- alification for admission to asse- into effect. Students who meet for assessment at a later date, s	the course or as t be met to qual will inform stu- dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for	

10-M=AGP-	Giovar	ni-Prod	i Lecture ((Maste	r)							
C-102-m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	At the (60 to 2, app Langu	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: English, German if agreed upon with the examiner							
	other prerequisites				Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
Specialisation (15 I	CTS cre	edits)										
10-M=VAT-	Algebr	aic Topo	ology									
P-102-m01	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)				
	Method of assessment		At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (approx. 90 to 120 minutes; usually chosen), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups of 2 candidates (approx. 30 minutes total)									

	Language of assessment. German, English
other prerequisites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.

10-M=VFN-	Specia	Special Topics in Financial Mathematics										
M-102-m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	<u>ا</u>	V + Ü	no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Metho	d of asse	essment / (r L	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (approx. 90 to 120 minutes; usually chosen), b) oral examination of one candidate each (approx. 20 minutes), c) oral exami- nation in groups of 2 candidates (approx. 30 minutes total) Language of assessment: German, English								
	other p	prerequis	sites F ((t t i i	cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
10-M=VGDS-102-	Groups and their Representations											
m01	ECTS 10 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	١	V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Metho	d of asse	essment / (r / s	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (approx. 90 to 120 minutes; usually chosen), b) oral examination of one candidate each (approx. 20 minutes), c) oral exami- nation in groups of 2 candidates (approx. 30 minutes total) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour- se offered on demand or every four semesters. Language of assessment: German, English								
	other p	prerequis	sites F c (t t i i i	Registration for the exercise must be made via SB@home at the beginning of the course or as announced cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admiss (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about t tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to assessment. If students have obtained the qualification for admission to assessment over the course of the turer will put their registration for assessment into effect. Students who meet all prerequisites will be admin the current or in the subsequent semester. For assessment at a later date, students will have to obtain t admission to assessment anew.								

10-M=V-	Geome	Jeometrical Mechanics										
GEM-102-m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of ass	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (approx. 90 to 120 minutes; usually chosen), b) oral examination of one candidate each (approx. 20 minutes), c) oral exami- nation in groups of 2 candidates (approx. 30 minutes total) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour- se offered on demand or every four semesters. Language of assessment: German, English								
	other p	prerequi	sites	Registration for the exercise must be made via SB@home at the beginning of the course of as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
10-M=VIST-102-	Indust	rial Stat	istics 2									
m01	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		V + Ü	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)				
	Metho	d of ass	essment	At the (90 to 2, app Langu	beginning of the co 120 minutes), b) or prox. 30 minutes) age of assessment:	ourse, the lecturer wil al examination of on German, English	l choose one of the following m e candidate each (approx. 20 m	ethods of asse inutes), c) oral	ssment: a) written examination examination in groups (groups of			
	other p	prerequi	sites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

10-M=V-	Field A	rithmeti	cs									
KAR-102-m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Metho	d of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English								
40 M-1/N	Numeric of Partial Diffe			cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
10-M=VN-	Numer	ic of Par	tial Differe	ential	Equations							
PE-102-m01	ECTS 10 Duration				1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es.		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters. Language of assessment: German, English								
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

10-M=VOP-	Selecte	ed Topic	I Topics in Optimization										
T-102-m01	ECTS	10	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)					
	Metho	d of asse	essment	At the	beginning of the co	urse, the lecturer wil	l choose one of the following m	ethods of asses	ssment: a) written examination				
				(90 to	120 minutes), b) or	al examination of on	e candidate each (approx. 20 m	inutes), c) oral	examination in groups (groups of				
				Language of assessment: German, English									
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									
10-M=V-	Statist	ical Ana	lysis										
STA-102-m01	ECTS 10 Duratio		า	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment			At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English									
	other p	prerequis	sites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

10-M=VVS-	Insura	nce Matl	hematics	52								
M-102-m01	ECTS	10	Duration	۱	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Metho	d of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English								
10 M-1/7	other p	prerequis	sites	Regist cordat (e.g.s tails a asses turer v in the admis	ration for the exerci nce with the specific successful completi t the beginning of th sment. If students h will put their registra current or in the sul ssion to assessment	se must be made via ed registration deadl on of a certain percente ne course. Registration ave obtained the qua- tion for assessment osequent semester. F anew.	SB@home at the beginning of ines. Certain prerequisites mus- ntage of exercises). The lecture on for the exercise will be conside alification for admission to asse- into effect. Students who meet For assessment at a later date, s	the course or as t be met to qual r will inform stu dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for			
10-M=VZ-	Time S	eries An	alysis 2									
RA-102-m01	ECTS	10	Duration	۱	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English								
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

10-M=V-	Discr	iscrete Mathematic										
DIM-102-m01	ECTS	5	Duratior	ı	1 semester	Method of gradin	g numerical grade	e	Modul level	graduate		
	Cours	ses		V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Meth	od of ass	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour- se offered on demand or every four semesters. Language of assessment: German, English								
	other	prerequi	sites	cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
10-M=VDS-	Dyna	mical Sys	tems and	Contr	ol							
R-102-m01	ECTS	5	Duration	1	1 semester	Method of gradin	g numerical grade	е	Modul level	graduate		
	Cours	ses		V + Ü	(no information on	SWS (weekly conta	ct hours) and cours	rse language ava	ailable)			
	Meth	od of ass	essment	At the (60 to 2, app Asses se off Langu	beginning of the co 90 minutes), b) or prox. 20 minutes) sment offered: Ass ered on demand or lage of assessment	ourse, the lecturer v al examination of or essment offered in every four semeste : German, English	vill choose one of t ne candidate each the semester in wh rs.	the following mo (approx. 15 mir hich the course	ethods of asses nutes), c) oral e is offered and i	ssment: a) written examination xamination in groups (groups of n the subsequent semester, cour-		
	other	prerequi	sites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

10-M=V-	Aspects of Geometry											
GEO-102-m01	ECTS	5	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language ava	ailable)				
	Method	d of asso	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: German, English								
10-M=V-	other prerequisites			Regist corda (e.g.s tails a asses turer v in the admis	tration for the exerci- nce with the specifie successful completion the beginning of the sment. If students he will put their registra current or in the sub- ssion to assessment	se must be made via ed registration deadl on of a certain percente ne course. Registration ave obtained the qua tion for assessment osequent semester. F anew.	SB@home at the beginning of t ines. Certain prerequisites must ntage of exercises). The lecturer on for the exercise will be consic alification for admission to asse into effect. Students who meet a For assessment at a later date, s	the course or as be met to qual will inform stu lered a declara ssment over th all prerequisite tudents will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for			
10-M=V-	Basics in Mathematics											
GRM-102-m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Methoo	d of asso	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: German, English								
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

10-M=VMB-	Mathe	matical	maging									
V-102-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Metho	od of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: German, English								
	other	prerequis	sites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
10-M=VMPH-102-	Selected Topics in Mathematical Physics											
m01	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Metho	od of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters. Language of assessment: German, English								
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

10-M=VMT-	Modul	Theory											
H-102-m01	ECTS	5	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)					
	Metho	d of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: German, English									
	other prerequisites			Regist corda (e.g.s tails a asses turer v in the admis	tration for the exerc nce with the specifi successful complet at the beginning of t sment. If students I will put their registr current or in the su ssion to assessmen	ise must be made via ed registration deadl ion of a certain perce he course. Registration have obtained the qua ation for assessment bsequent semester. F t anew.	SB@home at the beginning of ines. Certain prerequisites mus ntage of exercises). The lecture on for the exercise will be cons alification for admission to ass into effect. Students who meet for assessment at a later date,	f the course or as st be met to qual er will inform stud idered a declarat sessment over th t all prerequisite students will ha	s announced by the lecturer in ac- ify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for				
10-M=V-	Non-Linear Analysis												
NAN-102-m01	ECTS	5	Duratior	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		V + Ü (no information on SWS (weekly contact hours) and course language available)									
	Metho	d of asse	essment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: German, English									
	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

10-M=VOST-102-	Optimal Control											
m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	s	\	V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of asse	essment /	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: German, English								
	other p	prerequis	sites F ((t t i i	Regist corda (e.g.s tails a asses turer v in the admis	ration for the exerci nce with the specific successful completi t the beginning of th sment. If students h will put their registra current or in the sul ssion to assessment	se must be made via ed registration deadl on of a certain percente ne course. Registration ave obtained the qua- tion for assessment osequent semester. F anew.	SB@home at the beginning of ines. Certain prerequisites must ntage of exercises). The lecturer on for the exercise will be consid alification for admission to asse into effect. Students who meet For assessment at a later date, s	the course or as t be met to qual will inform stu- dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for			
10-M=VQK-	Quantum Control and Quantum Computing											
C-102-m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S	١	V + Ü	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)				
	Metho	d of asse	essment / (2 / / /	At the (60 to 2, app Asses se offe Langu	beginning of the co 90 minutes), b) ora orox. 20 minutes) sment offered: Asse ered on demand or e age of assessment:	urse, the lecturer wil l examination of one essment offered in th every four semesters. German, English	l choose one of the following m candidate each (approx. 15 mir e semester in which the course	ethods of asses nutes), c) oral e is offered and i	ssment: a) written examination xamination in groups (groups of n the subsequent semester, cour-			
	other prerequisites			Regist corda (e.g.s tails a asses turer v in the admis	ration for the exerci nce with the specific successful completi t the beginning of th sment. If students h will put their registra current or in the sul	se must be made via ed registration deadl on of a certain perce ne course. Registratio ave obtained the qua tion for assessment osequent semester. F anew.	SB@home at the beginning of ines. Certain prerequisites must ntage of exercises). The lecturer on for the exercise will be consid alification for admission to asse into effect. Students who meet For assessment at a later date, s	the course or as t be met to qual will inform stu- dered a declara essment over th all prerequisite students will ha	s announced by the lecturer in ac- lify for admission to assessment dents about the respective de- tion of will to seek admission to e course of the semester, the lec- s will be admitted to assessment ve to obtain the qualification for			

10-M=VV-	Networl	Networked Systems										
SY-102-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		V + Ü	(no information on S	SWS (weekly contact	hours) and course langua	age available)				
	Method	of asse	essment	At the (60 to 2, app Langu	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes) Language of assessment: German, English							
	other pr	rerequi	sites	Regist corda (e.g.: tails a asses turer in the admis	cordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective de- tails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lec- turer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
Workshops and Se	ninars (10 ECTS credits)											
10-M=GAL-	Study G	iroup A	lgebra									
G-102-M01	ECTS 10 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		V + S	(no information on S	SWS (weekly contact	hours) and course langua	age available)				
	Method of assessment			At the tation 120 m tes), e Asses se off Langu	tation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 120 minutes, c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (approx. 20 min tes), e) oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course se offered on demand or every four semesters. Language of assessment: German, English							
	other prerequisites			Regist corda vious	tration for the semir nce with the specific knowledge and/or s	ar must be made via ed registration deadli skills in certain areas	SB@home at the beginni nes. Some seminars or w . Where applicable, detail	ing of the course or a vorkshops might only ls will be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			
10-M=G-	Study G	iroup D	iscrete M	athem	atics							
DIM-102-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		V + S	(no information on S	SWS (weekly contact	hours) and course langua	age available)				
	Method of assessment			At the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar presen- tation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 120 minutes, c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (approx. 20 minu- tes), e) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English								
	other pr	rerequis	sites	Registration for the seminar must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Some seminars or workshops might only be open for students with pre- vious knowledge and/or skills in certain areas. Where applicable, details will be specified in the class schedule.								

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 22 / 56

10-M=GDS-	Study	udy Group Dynamical Systems and Control									
R-102-m01	ECTS	10	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		V + S	/ + S (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of ass	essment	At the tation 120 m tes), e Langu	beginning of the co (approx. 60 to 120 inutes, c) written ex o oral examination lage of assessment:	ourse, the lecturer will choose one or two of the fol minutes), b) written elaboration of contents equiv camination (approx. 90 to 120 minutes), d) oral exa in groups (groups of 2, approx. 30 minutes) German, English	lowing methods o alent to a semina amination of one	of assessment: a) seminar presen- r presentation of approx. 60 to candidate each (approx. 20 minu-			
	other	orerequi	sites	Regis corda vious	tration for the semir nce with the specifi knowledge and/or	nar must be made via SB@home at the beginning o ed registration deadlines. Some seminars or works skills in certain areas. Where applicable, details w	of the course or a shops might only ill be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			
10-M=GFT-	Study	Group C	omplex A	nalysi	5		<u>.</u>				
H-102-m01	ECTS	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es	_	V + S	(no information on S	SWS (weekly contact hours) and course language a	available)				
	Method of assessment			tation 120 m tes), e Langu	(approx. 60 to 120 inutes, c) written exercised or a second oral examination lage of assessment:	minutes), b) written elaboration of contents equiv amination (approx. 90 to 120 minutes), d) oral exa in groups (groups of 2, approx. 30 minutes) German, English	alent to a semina amination of one	r presentation of approx. 60 to candidate each (approx. 20 minu-			
	other prerequisites			Regis corda vious	tration for the semir nce with the specifi knowledge and/or	nar must be made via SB@home at the beginning o ed registration deadlines. Some seminars or works skills in certain areas. Where applicable, details w	of the course or a shops might only ill be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			
10-M=GGM-	Study	Group G	eometry	and To	pology						
l-102-m01	ECTS	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		V + S	(no information on S	SWS (weekly contact hours) and course language a	available)				
	Method of assessment				At the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar presen- tation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 120 minutes, c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (approx. 20 minu- tes), e) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English						
	other prerequisites			Regis corda vious	tration for the semir nce with the specifi knowledge and/or	nar must be made via SB@home at the beginning on ear must be made via SB@home at the beginning on the registration deadlines. Some seminars or works skills in certain areas. Where applicable, details w	of the course or a shops might only ill be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			

Master's with 1 major	Mathematics ((2010)
-----------------------	---------------	--------

10-M=GM-	Study	Group N	lathematics	in it	s Context	udy Group Mathematics in its Context										
KX-102-m01	ECTS	10	Duration		1 semester	Method of grading numerical grade	Modul level	graduate								
	Course	es	V	+ S (no information on SWS (weekly contact hours) and course language available)												
	Metho	od of asso	essment A ta 11 te Li	At the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) ser ation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of app 120 minutes, c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (app 25), e) oral examination in groups (groups of 2, approx. 30 minutes) anguage of assessment: German, English												
	other	other prerequisites			Registration for the seminar must be made via SB@home at the beginning of the course or as announced by the lecturer in ac cordance with the specified registration deadlines. Some seminars or workshops might only be open for students with pre- vious knowledge and/or skills in certain areas. Where applicable, details will be specified in the class schedule.											
10-M=G-	Study	Group N	leasure and	Inte	gral	,										
MUI-102-m01	ECTS	10	Duration		1 semester	Method of grading numerical grade	Modul level	graduate								
	Course	es	V	' + S ((no information on S	SWS (weekly contact hours) and course languag	e available)									
	other prerequisites			ation 20 m es), e angu	(approx. 60 to 120 inutes, c) written ex) oral examination i age of assessment:	. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (approx. 20 min amination in groups (groups of 2, approx. 30 minutes) ssessment: German, English										
				egist ordaı ious	ration for the semir nce with the specifi knowledge and/or s	nar must be made via SB@home at the beginnin ed registration deadlines. Some seminars or wo skills in certain areas. Where applicable, details	g of the course or as rkshops might only will be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.								
10-M=GN-	Study	Group N	umerical Ma	athe	matics and Applied	Analysis										
MA-102-m01	ECTS	10	Duration		1 semester	Method of grading numerical grade	Modul level	graduate								
	Course	es	V	' + S ((no information on S	SWS (weekly contact hours) and course languag	e available)									
	Method of assessment				At the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar presen- tation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 120 minutes, c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (approx. 20 minu- tes), e) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English											
	other prerequisites			egist ordaı ious	ration for the semir nce with the specifi knowledge and/or	nar must be made via SB@home at the beginnin ed registration deadlines. Some seminars or wo skills in certain areas. Where applicable, details	g of the course or as rkshops might only will be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.								

10-M=GRO-	Study	Idy Group Robotic, Optimization and Control Theory									
K-102-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es	•	V + S	(no information on S	SWS (weekly contact hours) and course language a	vailable)				
	Metho	d of ass	essment	At the tation 120 m tes), e Langu	beginning of the co (approx. 60 to 120 hinutes, c) written ex o oral examination lage of assessment:	ourse, the lecturer will choose one or two of the foll minutes), b) written elaboration of contents equiva kamination (approx. 90 to 120 minutes), d) oral exa in groups (groups of 2, approx. 30 minutes) c German, English	owing methods o lent to a semina mination of one	of assessment: a) seminar presen- r presentation of approx. 60 to candidate each (approx. 20 minu-			
	other p	orerequi	sites	Regis corda vious	tration for the semir nce with the specifi knowledge and/or	nar must be made via SB@home at the beginning o ed registration deadlines. Some seminars or works skills in certain areas. Where applicable, details wi	f the course or a hops might only ll be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			
10-M=G-	Study	Group S	tatistics								
SIA-102-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		V + S	(no information on S	SWS (weekly contact hours) and course language a	vailable)				
	Method of assessment			tation 120 m tes), e Langu	age of assessment:	minutes), b) written elaboration of contents equiva kamination (approx. 90 to 120 minutes), d) oral exa in groups (groups of 2, approx. 30 minutes) : German, English	ilent to a semina mination of one	r presentation of approx. 60 to candidate each (approx. 20 minu-			
	other prerequisites			Regis corda vious	tration for the semir nce with the specifi knowledge and/or	nar must be made via SB@home at the beginning o ed registration deadlines. Some seminars or works skills in certain areas. Where applicable, details wi	f the course or a hops might only ll be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			
10-M=GZ-	Study	Group T	ime Serie	s Anal	ysis						
RA-102-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		V + S	(no information on S	SWS (weekly contact hours) and course language a	vailable)				
	Method of assessment				At the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar presen- tation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 120 minutes, c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (approx. 20 minu- tes), e) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English						
	other prerequisites			Regis corda vious	tration for the semir nce with the specifi knowledge and/or	nar must be made via SB@home at the beginning o ed registration deadlines. Some seminars or works skills in certain areas. Where applicable, details wi	f the course or a hops might only ll be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			

Master's with 1 major	Mathematics ((2010)
-----------------------	---------------	--------

10-M=GZTH-102-	Study	y Group Number Theory									
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	:S	•	V + S	(no information on	SWS (weekly contact	nours) and course language av	ailable)			
	Metho	d of ass	essment	At the tation 120 m tes), e Langu	beginning of the co (approx. 60 to 120 inutes, c) written e oral examination age of assessment	ourse, the lecturer wil minutes), b) written e xamination (approx. 9 in groups (groups of 2 : German, English	choose one or two of the follo laboration of contents equival o to 120 minutes), d) oral exar a, approx. 30 minutes)	wing methods o lent to a semina mination of one	of assessment: a) seminar presen- r presentation of approx. 60 to candidate each (approx. 20 minu-		
	other prerequisites			Regis corda vious	tration for the semin nce with the specifi knowledge and/or	nar must be made via ied registration deadli skills in certain areas	SB@home at the beginning of nes. Some seminars or worksh Where applicable, details wil	^t the course or a hops might only l be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.		
10-M=SAD-	Semin	ar in Ap	plied Diffe	erentia	l Geometry						
G-102-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (no	information on SWS	S (weekly contact hou	rs) and course language availa	ıble)			
	Method of assessment			tation minut Asses se off Langu	(approx. 60 to 120 es sment offered: Ass ered on demand or lage of assessment	essment offered in the every four semesters. :: German, English	aboration of contents equival	lent to a semina	r presentation of approx. 60 to 90		
	other p	orerequi	sites	corda vious	ration for the semi nce with the specifi knowledge and/or	nar must be made via ied registration deadli skills in certain areas	SB@home at the beginning of nes. Some seminars or worksł Where applicable, details wil	the course or a nops might only l be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.		
10-M=SAL-	Semina	ar in Alg	ebra								
G-102-m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	_	S (no	information on SWS	S (weekly contact hou	rs) and course language availa	ıble)			
	Metho	d of ass	essment	At the tation minut Asses se off Langu	beginning of the co (approx. 60 to 120 es sment offered: Ass ered on demand or lage of assessment	ourse, the lecturer wil minutes), b) written e essment offered in the every four semesters. :: German, English	choose one or two of the follo laboration of contents equival e semester in which the course	owing methods o lent to a semina e is offered and i	of assessment: a) seminar presen- r presentation of approx. 60 to 90 in the subsequent semester, cour-		
	other p	orerequi	sites	Regis corda vious	tration for the semines the semines of the specific term of the specific knowledge and/or setting the section of the section o	nar must be made via ied registration deadli skills in certain areas	SB@home at the beginning of nes. Some seminars or worksł Where applicable, details wil	the course or a nops might only less the specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.		

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 26 / 56

10-M=SDS-	Semina	minar in Dynamical Systems and Control									
R-102-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	5	•	S (no	information on SWS	6 (weekly contact hours) and course language avai	lable)				
	Method	l of ass	essment	At the	e beginning of the co	ourse, the lecturer will choose one or two of the fol	lowing methods o	of assessment: a) seminar presen-			
				tation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 90							
				Asses	minutes Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour- se offered on demand or every four semesters.						
				se off							
				Language of assessment: German, English							
	other p	rerequi	isites	Regis	tration for the semin	nar must be made via SB@home at the beginning o	of the course or a	s announced by the lecturer in ac-			
				corda	cordance with the specified registration deadlines. Some seminars or workshops might only be open for students with pre-						
10-M=SFT-	Semina	r in Co	mplex Ana	alvsis	intowicage and/or						
H-102-m01	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	5	1	S (no	information on SWS	6 (weekly contact hours) and course language avail	lable)				
	Method	l of ass	essment	At the	t the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar presen-						
				tation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 90							
				minutes Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, sour							
				se off	se offered on demand or every four semesters.						
				Langu	Language of assessment: German, English						
	other p	rerequi	isites	Regis	tration for the semir	nar must be made via SB@home at the beginning o	of the course or a	s announced by the lecturer in ac-			
				cordance with the specified registration deadlines. Some seminars or workshops might only be open for students with pre-							
	Somina	r Finar	cial and b	vious		skills in certain areas. where applicable, details w					
M-102-m01	Sellilla					Mothod of grading numerical grade	Madullaval	graduata			
		<u>5</u> -	Duration	I S (no	information on SWG	Method of grading Indinencal grade		graduate			
	Mothod		accmont	3 (110 At the	S (no information on SWS (weekly contact nours) and course language available)						
	Method	1 01 855	essment	tatior	i (approx. 60 to 120	minutes), b) written elaboration of contents equiva	alent to a semina	r presentation of approx. 60 to 90			
				minutes							
		Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, cour-									
				se offered on demand or every four semesters.							
	other n	rereaui	sites	Regis	tration for the semi	har must be made via SB@home at the beginning of	of the course or a	s appounced by the lecturer in ac-			
		rerequi	Sites	corda	nce with the specifi	ed registration deadlines. Some seminars or works	shops might only	be open for students with pre-			
				vious	knowledge and/or	skills in certain areas. Where applicable, details w	ill be specified in	the class schedule.			

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 27 / 56

10-M=SGM-	Semina	minar in Geometry and Topology									
T-102-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es	•	S (no	S (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of ass	essment	At the tation minut Asses se off Langu	beginning of the co (approx. 60 to 120 es sment offered: Asse ered on demand or age of assessment:	ourse, the lecturer will choose one or two of the follo minutes), b) written elaboration of contents equival essment offered in the semester in which the course every four semesters. German, English	wing methods o ent to a semina is offered and i	of assessment: a) seminar presen- r presentation of approx. 60 to 90 in the subsequent semester, cour-			
	other p	orerequi	sites	Regist corda vious	tration for the semin nce with the specific knowledge and/or s	har must be made via SB@home at the beginning of ed registration deadlines. Some seminars or worksh skills in certain areas. Where applicable, details will	the course or a ops might only be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			
10-M=SGP-	Giovan	ni-Prod	i Seminar	(Mast	er)		u				
C-102-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		S (no	information on SWS	6 (weekly contact hours) and course language availa	ble)				
	Metho	d of ass	essment	At the tation minut Langu	beginning of the co (approx. 60 to 120 es lage of assessment:	burse, the lecturer will choose one or two of the follo minutes), b) written elaboration of contents equival English, German if agreed upon with the examiner	wing methods o ent to a semina	of assessment: a) seminar presen- r presentation of approx. 60 to 90			
	other prerequisites			Regist corda vious	tration for the semin nce with the specific knowledge and/or s	har must be made via SB@home at the beginning of ed registration deadlines. Some seminars or worksh skills in certain areas. Where applicable, details will	the course or a ops might only be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			
10-M=SID-	Interdi	sciplina	ry Semina	ar							
Z-102-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		S (no	information on SWS	6 (weekly contact hours) and course language availa	ble)				
	Method of assessment			At the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar presertation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 9 minutes Language of assessment: German, English							
	other prerequisites			Regist corda vious	tration for the semin nce with the specific knowledge and/or s	har must be made via SB@home at the beginning of ed registration deadlines. Some seminars or worksh skills in certain areas. Where applicable, details will	the course or a ops might only be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.			

10-M=SN-	Sem	ninar in Numerical Mathematics and Applied Analysis											
MA-102-m01	ECTS	5 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Coui	rses		S (no	(no information on SWS (weekly contact hours) and course language available)								
	Meth	nod of as	ssessment	At the tation minut Langu	beginning of the co (approx. 60 to 120 es lage of assessment:	ourse, the lecturer wi minutes), b) written : German, English	l choose one or two of the follo elaboration of contents equivale	wing methods o ent to a semina	of assessment: a) seminar presen- r presentation of approx. 60 to 90				
	other prerequisites			Regis corda vious	Registration for the seminar must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance with the specified registration deadlines. Some seminars or workshops might only be open for students with pre- vious knowledge and/or skills in certain areas. Where applicable, details will be specified in the class schedule.								
10-M=SOP-	Sem	inar in C	ptimizatio	n									
T-102-m01	ECTS	5 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Coui	rses		S (no	information on SWS	δ (weekly contact hoι	rs) and course language availa	ble)					
	other prerequisites		uisites	tation minut Asses se off Langu Regis corda	a (approx. 60 to 120 ses ered on demand or lage of assessment: tration for the semir nce with the specifi	minutes), b) written essment offered in th every four semesters : German, English nar must be made via ed registration deadl	e semester in which the course SB@home at the beginning of ines. Some seminars or worksh	is offered and i the course or a ops might only	in the subsequent semester, cour- s announced by the lecturer in ac- be open for students with pre-				
				vious knowledge and/or skills in certain areas. Where applicable, details will be specified in the class schedule.									
10-M=S-	Sem	inar in S	tatistics						· · · ·				
517 102 1101	ECIS	5	Duratio	n	1 semester	Method of grading	numerical grade		graduate				
	Method of assessment			At the tation minut Asses se off Langu	(no information on SWS (weekly contact hours) and course language available) t the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar present ation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 90 inutes assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course e offered on demand or every four semesters. anguage of assessment: German, English								
	other prerequisites			Regis corda vious	tration for the semir nce with the specifi knowledge and/or	nar must be made via ed registration deadl skills in certain areas	SB@home at the beginning of ines. Some seminars or worksh . Where applicable, details will	the course or a ops might only be specified in	s announced by the lecturer in ac- be open for students with pre- the class schedule.				

Master's with 1 major Mathematics	(2010)
-----------------------------------	--------

Learning by Teachi No more than 10 EC	ng CTS credits; stuc	lents may	, choos	e whether or not to	take modules in this area.				
10-M=EL-	Learning by te	aching M	athem	thematics 1					
T1-102-m01	ECTS 5 Duration		n 1 semester		Method of grading numerical grade	Modul level	graduate		
	Courses		Ü (no	information on SWS	(weekly contact hours) and course language availa	ble)			
	Method of ass	essment	practical examination (approx. 90 minutes) Language of assessment: German, English						
10-M=EL-	Learning by Te	eaching 2							
T2-102-m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		Ü (no	information on SWS	5 (weekly contact hours) and course language availa	ıble)			
	Method of ass	essment	practi Langu	practical examination (approx. 90 minutes) Language of assessment: German, English					
Thesis (30 ECTS cro	edits)								
10-M=MAAR-102-	Master Thesis	Mathema	atics						
m01	ECTS 30 Duratio		n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		no co	urses assigned	· ·				
	Method of ass	essment	written thesis Language of assessment: German, English						
	other prerequi	sites	Registration for assessment and assignment of topic in consultation with supervisor. The supervisor may make the successful completion of certain modules that are relevant for the respective topic a prerequisite for the assignment of the topic.						
Optional Application Students may choos application-oriente	on-oriented Sub ose whether or n d work placeme	ject and/ ot to take ent worth a	or App modu a total	lication-oriented W e les in this area. Stue of no more than 30	o rk Placement dents may choose to complete modules from the sp ECTS credits.	ecified applicat	tion-oriented subjects and/or an		
Application-oriente	ed Subject Chen	nistry							
08-TCM2-102-m01	Computationa	l Chemist	ry						
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		S + Ü	(no information on S	SWS (weekly contact hours) and course language av	ailable)			
	Method of ass	essment	written examination (90 minutes) Language of assessment: German or English						
	other prerequi	sites	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).						

08-TCM1-102-m01	Theore	etical Ch	emistry								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	es		S + Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of ass	essment	written examination (90 minutes) Language of assessment: German or English							
	other prerequisites			Admis ning o a max	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).						
08-MCM3-102-	Principles of drug design										
m01	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		S + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of ass	essment	prese Langu	presentation with discussion (approx. 30 minutes) Language of assessment: German or English						
	Participants and allo- cation of places		Chem lot.	istry Master's and N	Nathematics Master's	no restrictions. Biochemistry	Master's: 10 pla	ces. Places will be allocated by			
08-TCM3-102-m01	Progra	mming	n Theore	tical Cl	nemistry						
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	es		S + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Metho	d of ass	essment	comp Langı	letion and discussion and discussion and discussion and the set of assessment:	on of approx. 5 progra German or English	amming exercises as well as tal	k (approx. 45 m	inutes)		

08-TCAP-102-m01	Theoretical Chemistry - Project work								
	ECTS 10	Duration	n 1 semester Method of grading (not) successfully completed Modul level graduate						
	Courses		 This module has 3 components; information on courses listed separately for each component. o8-TCAP-1-102: P (no information on language and number of weekly contact hours available) o8-TCAP-2-102: P (no information on language and number of weekly contact hours available) o8-TCAP-3-102: P (no information on language and number of weekly contact hours available) 						
	Method of a	ssessment	This module has the following 3 assessment components. To pass the module as a whole students must pass two out of the- se three assessment components.						
			 Assessment component to module component o8-TCAP-1-102: Theoretische Chemie Arbeitsgruppenpraktikum Wellenpaket- dynamik 5 ECTS credits, method of grading: (not) successfully completed presentation (approx. 30 minutes) Language of assessment: German or English Assessment component to module component o8-TCAP-2-102: Theoretische Chemie Arbeitsgruppenpraktikum Wellenfunktionsmethoden 5 ECTS credits, method of grading: (not) successfully completed presentation (approx. 30 minutes) Language of assessment: German or English Assessment component to module component o8-TCAP-2-102: Theoretische Chemie Arbeitsgruppenpraktikum Wellenfunktionsmethoden 5 ECTS credits, method of grading: (not) successfully completed presentation (approx. 30 minutes) Language of assessment: German or English Assessment component to module component o8-TCAP-3-102: Theoretische Chemie Arbeitsgruppenpraktikum Dichtefunktionaltheorie 5 ECTS credits, method of grading: (not) successfully completed presentation (approx. 30 minutes) Language of assessment: German or English 						
	Additional I	nformation	Additional information on module duration: 4 weeks						
Application-oriente	ed Subject Co	mputer Scie	ence						
10-I-GT-102-m01	Algorithmic	Graph Theo	bry						
	ECTS 5	Duration	n 1 semester Method of grading numerical grade Modul level undergraduate						
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of a	ssessment	written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes) Language of assessment: German, English if agreed upon with the examiner						
	other prerec	luisites	Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).						

10-I-DB-102-m01	Databases	Databases								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of a	issessment	writte	written examination (approx. 50 to 60 minutes)						
			if ann	if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral						
			tes. g	es, groups of 3: 25 minutes)						
			Langu	Language of assessment: German, English if agreed upon with the examiner						
	other prerec	quisites	Admis cours	Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).						
	Referred to i	in LPO I	§ 49 (§ 69 (§ 49 (1) 1. b) Datenbanksysteme und Softwaretechnologie § 69 (1) 1. b) Datenbanksysteme und Softwaretechnologie						
10-I-WBS-102-m01	Knowledge-	based Syste	ems							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method of a	issessment	writte	written examination (approx. 50 to 60 minutes)						
			if ann	It announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each at an oral examination in groups (one candidate each at minutes, groups of a candidate each at minutes).						
			tes, g	tes, groups of 3: 25 minutes)						
			Language of assessment: German, English if agreed upon with the examiner							
10-I-DM-102-m01	Data Mining	ζ.								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method of a	issessment	written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the							
			writte	written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one can-						
			Langu	didate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes)						
	other prerec	quisites	Admis	Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the						
	•	•	cours	e).			,			
10-I-KT-102-m01	Theory of Co	omplexity								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)			
	Method of a	issessment	writte	n examination (appr	ox. 50 to 60 minutes); if announced by the lecturer	by four weeks p	prior to the examination date, the		
			writte	n examination can b	e replaced by an ora	l examination of one candidate	each or an oral	l examination in groups (one can-		
			Langu	lage of assessment:	German, English if a	greed upon with the examiner				
	other prerec	quisites	Admis cours	Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).						

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 33 / 56

10-I-AR-102-m01	Automation	Automation and Control Technology								
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of a	ssessment	writte writte 90 mi (appro Langu	n examination (appl n examination can b nute written examin ox.) oral examinatio lage of assessment:	rox. 80 to 90 minute be replaced by an ora ation is equivalent t n in groups of 2 and German, English if a	s). If announced by the lecturer al examination of one candidate o a 20 minute (approx.) oral exa a 40 minute (approx.) oral exan greed upon with the examiner	by four weeks p e each or an ora amination of on nination in grou	prior to the examination date, the l examination in groups. A 80 to e candidate each, a 30 minute ups of 3.		
	other prerec	quisites	Admis cours	e).	assessment: exerci	ses (type and scope to be anno	unced by the le	cturer at the beginning of the		
10-I=DK-102-m01	Data Compr	ession								
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method of assessment written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination written examination can be replaced by an oral examination of one candidate each or an oral examination in groups 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. Language of assessment: German, English if agreed upon with the examiner									
	other prerec	quisites	Where	e applicable, prereq	uisites as specified l	by the lecturer at the beginning	of the course (e	e. g. completion of exercises).		
10-I=PVS-102-m01	Programmir	ng of Distrib	uted Sy	/stems			1			
	ECTS 8	Duratio	n I	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V + U	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method of a	ssessment	writte writte 90 mi (appro Langu	n examination (app n examination can b nute written examin ox.) oral examinatio age of assessment:	rox. 80 to 90 minute be replaced by an ora ation is equivalent to n in groups of 2 and German, English if a	s). If announced by the lecturer al examination of one candidate o a 20 minute (approx.) oral exa a 40 minute (approx.) oral exan greed upon with the examiner	by four weeks peeach or an ora amination of on nination in grou	prior to the examination date, the l examination in groups. A 80 to e candidate each, a 30 minute ips of 3.		
	other prerec	quisites	Where	e applicable, prereq	uisites as specified l	by the lecturer at the beginning	of the course (e	e.g. completion of exercises).		
10-I=IR-102-m01	Information	Retrieval								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method of a	ssessment	writte writte didate Langu	written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one can- didate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes) anguage of assessment: German, English if agreed upon with the examiner						
	other prerequisites where applicable, prerequisites as specified by the fecturer at the beginning of the course (e. g. completion of							. g. completion of exercises).		

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 34 / 56

10-l=Kl-102-m01	Artifici	al Intelli	gence							
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)	•	
	Method of assessment			writte	n examination (app	rox. 80 to 90 minutes	;; if announced by the lecturer	by four weeks p	prior to the examination date, the	
				writte	n examination can l	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups (one can-	
				Langu	e each: 15 minutes, lage of assessment	groups of 2: 20 minu : German, English if a	tes, groups of 3: 25 minutes) greed upon with the examiner			
	other p	rerequis	sites	Where	applicable, prereq	uisites as specified b	y the lecturer at the beginning	of the course (e	. g. completion of exercises).	
10-I=EL-102-m01	E-Learr	ning				· · ·	·			
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S	,	V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)		
	Method	d of asse	essment	writte	n examination (app	rox. 50 to 60 minutes	; if announced by the lecturer	by four weeks p	prior to the examination date, the	
				writte	n examination can l	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups (one can-	
				didate	e each: 15 minutes,	groups of 2: 20 minu • German English if a	tes, groups of 3: 25 minutes)			
	other n	rereguis	ites	Whore	applicable prereq	uisites as specified h	w the lecturer at the beginning	of the course (e	g completion of exercises)	
10-l=Ml-102-m01	Medica	Inform	atics	where	applicable, piereq					
10-1-102-1101	FCTS		Duration		1 comostor	Method of grading	numerical grade	Modullevel	graduate	
	Course	<u> </u> >	Duration	lv . ü	(no information on	SWS (wookly contact	hours) and course language av		graduate	
	Mothor		comont	v + u	n examination (ann	SWS (WEEKIY CONIACT	if appounded by the lasturer	hy four wooks r	vior to the examination data the	
	Method	1 01 8556	essment	writte	n examination (app	be replaced by an ora	l examination of one candidate	each or an ora	examination in groups (one can-	
				didate	e each: 15 minutes,	groups of 2: 20 minu	tes, groups of 3: 25 minutes)			
				Langu	age of assessment	: German, English if a	greed upon with the examiner			
	other p	rerequis	sites	Where	e applicable, prereq	uisites as specified b	y the lecturer at the beginning	of the course (e	. g. completion of exercises).	
10-I=DDB-102-m01	Deduct	ive Data	bases							
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	s		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)		
	Method	d of asse	essment	writte	n examination (app	rox. 80 to 90 minutes	s). If announced by the lecturer	by four weeks p	prior to the examination date, the	
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups. A 80 to	
				90 mi (annr	nute written examinatio	in in groups of 2 and :	a 20 minute (approx.) oral exa	nination in grou	ns of 2	
				Langu	age of assessment	: German, English if a	greed upon with the examiner			
	other p	rerequis	sites	Where	Where applicable, prerequisites as specified by the lecturer at the beginning of the course (e. g. completion of exercises).					

10-I=DB2-102-m01	Databa	atabases II									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method	d of asse	essment	writte	n examination (app	rox. 50 to 60 minutes); if announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	itten examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one can-						
	didate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes)										
		Language of assessment: German, English if agreed upon with the examiner									
	other p	rerequis	sites	Where	applicable, prereq	uisites as specified b	y the lecturer at the beginning	of the course (e	e. g. completion of exercises).		
10-l=LVS-102-m01	Analyti	ical Perf	ormance	Evalua	tion of Distributed	Systems		1			
	ECTS	8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method	d of asse	essment	writte	n examination (app	rox. 80 to 90 minutes). If announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups. A 80 to		
				90 mi	nute written examinatio	nation is equivalent to	a 20 minute (approx.) oral exa	amination of on	e candidate each, a 30 minute		
	Language of assessment: German, English if agreed upon with the examiner								ps of 3.		
	other p	rereaui	sites	Where	applicable, prereq	uisites as specified b	v the lecturer at the beginning	of the course (e	e. g. completion of exercises).		
10-l=ST-102-m01	Simula	tion Tec	hniques	for Per	formance Evaluatio	<u> </u>	,				
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)	10		
	Method	d of asse	essment	writte	n examination (app	rox. 80 to 90 minutes). If announced by the lecturer	by four weeks r	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e éach or an ora	l examination in groups. A 80 to		
				90 mi	nute written examir	nation is equivalent to	a 20 minute (approx.) oral exa	amination of on	e candidate each, a 30 minute		
				(appr	ox.) oral examinatio	n in groups of 2 and a	a 40 minute (approx.) oral exan	nination in grou	ips of 3.		
		· · · · ·		Langu	age of assessment	: German, English if a	greed upon with the examiner	- f the second of (
	other p	rerequis	sites	wnere	e applicable, prereq	uisites as specified b	y the lecturer at the beginning	of the course (e	e. g. completion of exercises).		
10-I=AFS-102-m01	Automa	ata inec	bry and Fo	ormal L	anguages			1	· · · ·		
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + U	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method	d of asse	essment	writte	n examination (app	rox. 80 to 90 minutes). If announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can l	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups. A 80 to		
				90 III (annr	nute whiten examinatio	in in groups of 2 and 2	a 20 minute (approx.) oral exam	nination in grou	e candidate each, a 30 minute		
				Langu	age of assessment	: German, English if a	greed upon with the examiner		ر ۵۰ ^{در}		
	other p	rerequis	sites	Where	applicable, prereq	uisites as specified b	v the lecturer at the beginning	of the course (e	e.g. completion of exercises).		

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 36 / 56

10-I=BL-102-m01	Compu	tability	Theory a	nd Mat	hematical Logic						
	ECTS	8	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of ass	essment	writte	n examination (app	rox. 80 to 90 minutes	s). If announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups. A 80 to		
				90 mi (annro	nute written examinatio	in in groups of 2 and a	a 20 minute (approx.) oral exa	amination of one	ns of a		
				Langu	age of assessment	: German, English if a	greed upon with the examiner				
	other p	orerequi	sites	Where	e applicable, prerec	uisites as specified b	by the lecturer at the beginning	of the course (e	.g. completion of exercises).		
10-I=KT2-102-m01	Advand	ced Topi	ics in Corr	putati	onal Complexity						
	ECTS	8	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	:S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	/ailable)			
	Metho	d of ass	essment	writte	n examination (app	rox. 80 to 90 minutes	5). If announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups. A 80 to		
				(appro	ox.) oral examination	n in groups of 2 and a	a 40 minute (approx.) oral exar	nination in grou	ps of 3.		
				Langu	age of assessment	: German, English if a	greed upon with the examiner		F J.		
	other p	orerequi	sites	Where	e applicable, prerec	uisites as specified b	by the lecturer at the beginning	of the course (e	e.g. completion of exercises).		
10-I=KD-102-m01	Crypto	graphy	and Data	Securi	ty						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	s		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	/ailable)			
	Metho	d of ass	essment	writte	n examination (app	rox. 50 to 60 minutes	; if announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups (one can-		
				Langu	age of assessment	: German. English if a	greed upon with the examiner				
	other p	orerequi	sites	Where	applicable, prerec	uisites as specified b	by the lecturer at the beginning	of the course (e	. g. completion of exercises).		
10-l=AG-102-m01	Compu	itationa	l Geometr	y y		•	,				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	!S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	/ailable)	•		
	Metho	d of ass	essment	writte	n examination (app	rox. 50 to 60 minutes	;); if announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one can-						
				Langu	e each: 15 minutes, lage of assessment	groups of 2: 20 minu German, English if a	reed upon with the examiner				
	otherp	orerequi	sites	Where	e applicable, prerec	uisites as specified b	by the lecturer at the beginning	of the course (e	. g. completion of exercises).		

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 37 / 56

10-I=APA-102-m01	Approx	kimation	Algorith	ms							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	!S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	/ailable)	·		
	Metho	d of asse	essment	writte	n examination (app	prox. 50 to 60 minutes	;; if announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups (one can-		
				didate Langu	e each: 15 minutes, lage of assessment	groups of 2: 20 minu : German, English if a	tes, groups of 3: 25 minutes) greed upon with the examiner				
	other p	orerequis	sites	Where	here applicable, prerequisites as specified by the lecturer at the beginning of the course (e.g. completion of exercises).						
10-I=VG-102-m01	Visuali	zation o	of Graphs								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + Ü	no information on	SWS (weekly contact	hours) and course language av	/ailable)			
	Metho	d of asse	essment	writte	n examination (app	prox. 50 to 60 minutes	;); if announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups (one can-		
				didate	e each: 15 minutes,	groups of 2: 20 minu • German English if a	tes, groups of 3: 25 minutes)				
	other r	rereaui	sites	Where	annlicable prerec	nuisites as specified h	w the lecturer at the beginning	of the course (e	g completion of exercises)		
10-l=A-		hms for	Geogran	hic Inf	rmation Systems						
GIS-102-m01	FCTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	<u></u>	Bulutio	V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)	Sidduce		
	Metho	d of asse	essment	writte	n examination (and	$\frac{500}{100}$ (weekly contact	:) if announced by the lecturer	by four weeks r	prior to the examination date the		
	Metho	u 01 0330	Somethe	writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups (one can-		
				didate	e each: 15 minutes,	groups of 2: 20 minu	tes, groups of 3: 25 minutes)				
		_	-	Langu	lage of assessment	: German, English if a	greed upon with the examiner				
	other p	prerequis	sites	Where	e applicable, prerec	quisites as specified b	by the lecturer at the beginning	of the course (e	e.g. completion of exercises).		
10-l=CB-102-m01	Compi	ler Cons	truction								
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	/ailable)			
	Metho	d of asse	essment	writte	n examination (app	prox. 80 to 90 minutes	5). If announced by the lecturer	by four weeks p	prior to the examination date, the		
				writte	n examination can	be replaced by an ora	l examination of one candidate	e each or an ora	l examination in groups. A 80 to		
		(approx) oral examination in groups of 2 and a 40 minute (approx.) oral examination of one candidate each, a 30 min						ns of 3.			
			Language of assessment: German, English if agreed upon with the examiner								
	other p	rerequis	sites	Where	e applicable, prerec	quisites as specified b	by the lecturer at the beginning	of the course (e	e.g. completion of exercises).		

10-I=PA-102-m01	Program Des	ign and An	and Analysis								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Method of as	sessment	writte	n examination (app	rox. 50 to 60 minutes	; if announced by the lecturer	by four weeks p	prior to the examination date, the			
			writte	written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one can-							
			didat	e each: 15 minutes, g	groups of 2: 20 minut Corman, English if a	tes, groups of 3: 25 minutes)					
	othor prorog	uicitoc	Whor	age of assessment.	uisitos as specified b	w the lecturer at the beginning	of the course (c	g completion of exercises)			
10-1-PAM-102-m01	Computer Arithmetic										
10-1-174101-102-11101		Duratio	n	1 comostor	Method of grading	numerical grade	Modullevel	graduate			
	Courses	Duratio	lv.ü	(no information on 9	We (wookly contact	hours) and course language av		giauuate			
	Mothod of a	coccmont	v + u		rox co to 60 minutos	is if appounded by the lasturer	by four wooks r	prior to the examination data the			
	method of as	sessment	writte	n examination (appl	be replaced by an ora	l examination of one candidate	each or an ora	l examination in groups (one can-			
			didat	e each: 15 minutes,	groups of 2: 20 minut	tes, groups of 3: 25 minutes)		Grape Contraction			
			Langu	lage of assessment:	German, English if a	greed upon with the examiner					
	other prereq	uisites	Wher	e applicable, prereq	uisites as specified b	y the lecturer at the beginning o	of the course (e	e.g. completion of exercises).			
Application-oriente	ed Subject Ae	ospace Co	mputer	Science							
10-I-AR-102-m01	Automation	and Contro	l Techr	iology							
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Method of as	ssessment	ssment written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the								
			writte	vritten examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to							
			90 mi l (annr	yo minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute							
			Langu	lage of assessment:	German, English if a	greed upon with the examiner					
	other prereq	uisites	Admi	ssion prerequisite to	assessment: exercis	ses (type and scope to be annot	unced by the le	cturer at the beginning of the			
			cours	e).							
10-I-RAK-102-m01	Computer Ar	chitecture									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Method of as	ssessment	writte	n examination (app	rox. 50 to 60 minutes); if announced by the lecturer	by four weeks p	prior to the examination date, the			
			writte	n examination can b	be replaced by an ora	l examination of one candidate	each or an ora	l examination in groups (one can-			
			langi	lage of assessment:	German. English if a	greed upon with the examiner					
	other prerea	uisites	Admission prerequisite to assessment: exercises (type and scope to be appounded by the lecturer at the beginning of the								
		course).									
	Referred to in	n LPO I	§ 69	(1) 1. c) Informatik Te	chnische Informatik						

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 39 / 56

10-I-RK-102-m01	Compute	er Netv	Networks and Communication Systems									
	ECTS 8	3	Duratio	<u>ו</u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	ofasse	essment	writte writte 90 mi (appro Langu	n examination (app n examination can b nute written examin ox.) oral examinatio lage of assessment:	rox. 80 to 90 minutes be replaced by an ora ation is equivalent to n in groups of 2 and a German, English if a	b). If announced by the lecturer l examination of one candidate o a 20 minute (approx.) oral exa a 40 minute (approx.) oral exar greed upon with the examiner	by four weeks p e each or an ora amination of on nination in grou	prior to the examination date, the l examination in groups. A 80 to e candidate each, a 30 minute ps of 3.			
	other pre	erequis	sites	Admis cours	dmission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the ourse).							
10-l=ES-102-m01	Embedde	ed Sys	tems									
	ECTS 8	3	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V + Ü	no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Method (ofasse	sessment written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. Language of assessment: German, English if agreed upon with the examiner									
	other pre	erequis	sites	Where	e applicable, prereq	uisites as specified b	by the lecturer at the beginning	of the course (e	e.g. completion of exercises).			
10-I=RO-102-m01	Robotics											
	ECTS 8	3	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Method o	ofasse	essment	writte writte 90 mi (appro Langu	n examination (app n examination can b nute written examin ox.) oral examinatio lage of assessment:	rox. 80 to 90 minutes be replaced by an ora ation is equivalent to n in groups of 2 and a German, English if a	s). If announced by the lecturer I examination of one candidate o a 20 minute (approx.) oral exa a 40 minute (approx.) oral exar greed upon with the examiner	by four weeks p e each or an ora amination of on nination in grou	prior to the examination date, the l examination in groups. A 80 to e candidate each, a 30 minute ps of 3.			
	other pre	erequis	sites	Where	e applicable, prereq	uisites as specified b	by the lecturer at the beginning	of the course (e	e.g. completion of exercises).			
10-I=SSD-102-m01	Spacecra	aft Sys	tems Des	sign								
	ECTS 8	3	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Method of other pre-	of asse	essment	writte writte 90 mi (appr Langu Where	written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. Language of assessment: German, English if agreed upon with the examiner Where applicable, prerequisites as specified by the lecturer at the beginning of the course (e.g. completion of exercises)							

Master's with 1 major Mathematics (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 88 105 - - H 2010	page 40 / 56

10-I=AA-102-m01	Adva	Advanced Automation											
	ECTS	8	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	vailable)					
	Meth	od of ass	sessment	writte writte 90 mi (appr Langu	n examination (app n examination can b nute written examin ox.) oral examinatio lage of assessment:	rox. 80 to 90 minute be replaced by an ora nation is equivalent to n in groups of 2 and German, English if a	s). If announced by the lecturer Il examination of one candidate o a 20 minute (approx.) oral exa a 40 minute (approx.) oral exan greed upon with the examiner	by four weeks p e each or an ora amination of on nination in grou	prior to the examination date, the l examination in groups. A 80 to e candidate each, a 30 minute ps of 3.				
	other	prerequ	isites	Wher	e applicable, prereq	uisites as specified b	by the lecturer at the beginning	of the course (e	. g. completion of exercises).				
10-I=R02-102-m01	Robo	tics II: N	etworked	Robots									
	ECTS	8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	vailable)					
	Meth	od of ass	sessment	writte writte 90 mi (appr Langu	ritten examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the ritten examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to o minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. anguage of assessment: German, English if agreed upon with the examiner								
	other	prerequ	isites	Wher	e applicable, prereq	uisites as specified b	by the lecturer at the beginning	of the course (e	. g. completion of exercises).				
Application-oriente	ed Sub	ject Phys	sics										
11-ASL-092-m01	Appli	ed Supe	rconductio	n									
	ECTS	6	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses		R + V	(no information on S	SWS (weekly contact	hours) and course language av	ailable)					
	Meth	od of ass	sessment	a) wri prox. pages Asses Langu	tten examination (a) 30 minutes per cano 5, time to complete: 1.sment offered: once 1.age of assessment:	pprox. 90 minutes) o didate, for modules v 1 to 4 weeks) or d) pl a a year, winter seme German, English	r b) oral examination of one can with less than 4 ECTS credits ap resentation/seminar presentati ster	ndidate each or prox. 20 minute on (approx. 30 i	oral examination in groups (ap- es) or c) project report (approx. 8 minutes)				
	other	prerequ	isites	Certai tive d on to the le sessn ficatio	n prerequisites mus etails at the beginni assessment. If stud cturer will put their nent in the current o on for admission to a	t be met to qualify for ing of the course. Reg ents have obtained t registration for asses r in the subsequent assessment anew.	or admission to assessment. Th gistration for the course will be he qualification for admission t sment into effect. Students wh semester. For assessment at a l	e lecturer will ir considered a de to assessment c o meet all prere later date, stude	form students about the respec- eclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-				

11-EPP-092-m01	01 Introduction to Plasmaphysics										
	ECTS	6	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		V + R	(no information on S	SWS (weekly contact hours) and course language av	ailable)				
	Metho	d of asse	essment	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English							
	other p	orerequis	sites	Certai tive d on to the le sessm ficatio	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the re- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek ac on to assessment. If students have obtained the qualification for admission to assessment over the course of the seme the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted t sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the fication for admission to assessment anew.						
11-AHL-092-m01	Applie	d Semic	onductor	Physic	S						
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language av	ailable)				
	Method of assessment			a) writ prox. to 10 Asses nounc 2009. Langu	tten examination (aj 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und age of assessment:	oprox. 90 minutes) or b) oral examination of one ca didate, for modules with less than 4 ECTS credits ap olete: 1 to 4 weeks) or d) presentation/seminar pres n and how often assessment will be offered depend er observance of Section 32 Subsection 3 ASPO (ge German, English	ndidate each or prox. 20 minute entation (approx ds on the metho neral academic	oral examination in groups (ap- is) or c) project report (approx. 8 k. 30 minutes) d of assessment and will be an- and examination regulations)			
	other prerequisites				n prerequisites mus etails at the beginni assessment. If stud cturer will put their i tent in the current o on for admission to a	t be met to qualify for admission to assessment. The ng of the course. Registration for the course will be ents have obtained the qualification for admission registration for assessment into effect. Students where r in the subsequent semester. For assessment at a assessment anew.	e lecturer will in considered a de to assessment o o meet all prere later date, stude	form students about the respec- claration of will to seek admissi- ver the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-			

11-FK2-092-m01	Solid State Physics 2												
	ECTS	8	Duration	ı	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language a	/ailable)						
	Metho	d of asse	essment	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English									
	other ı	orerequis	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.									
11-FKS-092-m01	Solid State Spectroscopy												
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language a	/ailable)						
	Metho	d of asse	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English									
	other	prerequis	sites	Certai tive de on to the lee sessm ficatio	n prerequisites mus etails at the beginni assessment. If stud cturer will put their i tent in the current o on for admission to a	at be met to qualify for admission to assessment. The ing of the course. Registration for the course will be ents have obtained the qualification for admission registration for assessment into effect. Students where in the subsequent semester. For assessment at a assessment anew.	ne lecturer will ir considered a de to assessment c no meet all prere later date, stude	form students about the respec- eclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-					

11-FKT-092-m01	Transp	Transport Phenomena in Solids												
	ECTS	6	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language av	/ailable)							
	Metho	d of asse	essment	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English										
	other p	orerequis	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.										
11-HNS-092-m01	Semico	onducto	r Nanostr	uctures	5									
	ECTS	6	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S	_	R + V (no information on SWS (weekly contact hours) and course language available)										
	Metho	d of asso	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English										
	other p	prerequis	sites	Certai tive de on to the le sessm ficatio	n prerequisites mus etails at the beginni assessment. If stud cturer will put their i tent in the current o on for admission to a	t be met to qualify for admission to assessment. The ng of the course. Registration for the course will be ents have obtained the qualification for admission registration for assessment into effect. Students wher in the subsequent semester. For assessment at a assessment anew.	ne lecturer will in considered a de to assessment o no meet all prere later date, stude	form students about the respec- cclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-						

11-MAG-092-m01	Magnetism										
	ECTS	6	Duratior	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es		R + V ((no information on S	SWS (weekly contact hours) and course language a	vailable)				
	Metho	d of asse	essment	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English							
	other p	orerequis	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
11-NDS-092-m01	Low-Di	mensior	nal Struct	ures							
	ECTS	4	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		R + V ((no information on S	SWS (weekly contact hours) and course language a	vailable)				
	Metho	d of asse	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English							
	other p	orerequis	sites	Certai tive de on to a the lee sessm ficatio	n prerequisites mus etails at the beginni assessment. If stude cturer will put their r tent in the current o n for admission to a	It be met to qualify for admission to assessment. T ng of the course. Registration for the course will be ents have obtained the qualification for admission registration for assessment into effect. Students wl r in the subsequent semester. For assessment at a assessment anew.	he lecturer will ir considered a de to assessment o no meet all prere later date, stude	form students about the respec- eclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-			

11-NOP-092-m01	Nano-Optics											
	ECTS	4	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language	available)					
	Metho	d of asse	essment	a) writ prox. to 10 Asses nounc 2009. Langu	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English							
	other p	orerequis	sites	Certai tive de on to the lee sessm ficatio	n prerequisites mus etails at the beginni assessment. If stud cturer will put their nent in the current o on for admission to a	It be met to qualify for admission to assessment. Ing of the course. Registration for the course will be ents have obtained the qualification for admissio registration for assessment into effect. Students w r in the subsequent semester. For assessment at assessment anew.	The lecturer will ir be considered a de n to assessment of vho meet all prere a later date, stude	form students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-				
11-QM2-092-m01	Quant	um Mech	nanics II									
	ECTS	8	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language	available)					
	Method of assessment other prerequisites			a) writ prox. to 10 J Asses nounc 2009. Langu	tten examination (a) 30 minutes per cano bages, time to comp sment offered: Whe red in due form und age of assessment:	pprox. 90 minutes) or b) oral examination of one of didate, for modules with less than 4 ECTS credits olete: 1 to 4 weeks) or d) presentation/seminar pro- en and how often assessment will be offered depe er observance of Section 32 Subsection 3 ASPO (g German, English	candidate each or approx. 20 minute esentation (appro nds on the metho general academic	oral examination in groups (ap- es) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be an- and examination regulations)				
				Certai tive de on to the lee sessm ficatio	n prerequisites mus etails at the beginni assessment. If stud cturer will put their i ient in the current o in for admission to a	It be met to qualify for admission to assessment. Ing of the course. Registration for the course will be ents have obtained the qualification for admissio registration for assessment into effect. Students w r in the subsequent semester. For assessment at assessment anew.	The lecturer will ir be considered a de n to assessment o vho meet all prere a later date, stude	form students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-				

11-QPM-092-m01	Quantum Phenomena in electronic correlated Materials											
	ECTS	CTS 6 Duratio			1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	es		R + V	₹ + V (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of asso	essment	a) writ prox. to 10 Asses nounc 2009. Langu	tten examination (aj 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und hage of assessment:	oprox. 90 minutes) or b) oral examination of one ca didate, for modules with less than 4 ECTS credits ap olete: 1 to 4 weeks) or d) presentation/seminar pres n and how often assessment will be offered depen er observance of Section 32 Subsection 3 ASPO (ge German, English	Indidate each or oprox. 20 minute sentation (approx ds on the metho eneral academic	oral examination in groups (ap- s) or c) project report (approx. 8 k. 30 minutes) d of assessment and will be an- and examination regulations)				
	other	orerequi	sites	Certai tive d on to the le sessm ficatio	Certain prerequisites must be met to quality for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
11-QVTP-092-m01	Many	Body Qu	antum Th	eory								
	ECTS	8	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language a	vailable)					
	Metho	d of ass	essment	a) writ prox. to 10 Asses nounc 2009. Langu	tten examination (ap 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und hage of assessment:	oprox. 90 minutes) or b) oral examination of one ca didate, for modules with less than 4 ECTS credits ap olete: 1 to 4 weeks) or d) presentation/seminar present n and how often assessment will be offered depen er observance of Section 32 Subsection 3 ASPO (ge German, English	Indidate each or Oprox. 20 minute Sentation (approz ds on the metho Ineral academic	oral examination in groups (ap- s) or c) project report (approx. 8 k. 30 minutes) d of assessment and will be an- and examination regulations)				
	other	orerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								

11-RMS-092-m01	Relativ	istic Eff	ects in M	esosco	pic Systems							
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		R + V	(no information on S	SWS (weekly contact hours) and course language av	/ailable)					
	Metho	d of ass	essment	a) wri prox. to 10 Asses nound 2009. Langu	tten examination (aj 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und hage of assessment:	oprox. 90 minutes) or b) oral examination of one ca didate, for modules with less than 4 ECTS credits ap olete: 1 to 4 weeks) or d) presentation/seminar pres n and how often assessment will be offered depen- er observance of Section 32 Subsection 3 ASPO (ge German, English	ndidate each or oprox. 20 minute entation (approx ds on the metho neral academic	oral examination in groups (ap- s) or c) project report (approx. 8 k. 30 minutes) d of assessment and will be an- and examination regulations)				
	other p	orerequi	sites	tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission for admission to assessment anew.								
11-TFK-092-m01	Theore	tical So	lid State	Physics								
	ECTS	8	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		R + V	(no information on S	SWS (weekly contact hours) and course language av	vailable)					
	Method of assessment			a) wri prox. to 10 Asses nound 2009. Langu	tten examination (a 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und hage of assessment:	oprox. 90 minutes) or b) oral examination of one ca didate, for modules with less than 4 ECTS credits ap olete: 1 to 4 weeks) or d) presentation/seminar pres n and how often assessment will be offered depen- er observance of Section 32 Subsection 3 ASPO (ge German, English	ndidate each or oprox. 20 minute entation (approx ds on the metho neral academic	oral examination in groups (ap- is) or c) project report (approx. 8 k. 30 minutes) d of assessment and will be an- and examination regulations)				
	other prerequisites				Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							

11-TSL-092-m01	Theory	of Sup	erconduct	ion							
	ECTS	5	Duratio	n	1 semester	M	Nethod of grading	numerical grade		Modul level	graduate
	Course	25	_	R + V	(no information o	SWS	S (weekly contact	hours) and course	e language ava	ailable)	
	Metho	d of ass	essment	a) wri prox. to 10 Asses nound 2009. Langu	tten examination 30 minutes per ca pages, time to cor ssment offered: W ced in due form ur uage of assessmen	appro ndida iplete ien ai der o nt: Ge	rox. 90 minutes) o ate, for modules w e: 1 to 4 weeks) of and how often asso observance of Sec erman, English	r b) oral examinat vith less than 4 EC d) presentation/ essment will be o tion 32 Subsectio	tion of one can CTS credits app seminar prese ffered depend on 3 ASPO (gen	didate each or prox. 20 minute entation (approx s on the metho peral academic a	oral examination in groups (ap- s) or c) project report (approx. 8 ‹. 30 minutes) d of assessment and will be an- and examination regulations)
	other (orerequi	sites	tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission for admission to assessment anew.							
11-PKS-092-m01	Physic	s of Cor	nplex Sys	tems							
	ECTS	6	Duratio	n	1 semester	M	Nethod of grading	numerical grade		Modul level	graduate
	Course	es		R + V	(no information o	I SWS	S (weekly contact	hours) and course	e language ava	ailable)	
	Metho	d of ass	essment	a) wri prox. to 10 Asses nound 2009 Langu	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (ap prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be ar nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German English						
	other	prerequi	sites	Certai tive d on to the le sessn ficatio	in prerequisites m etails at the begin assessment. If stu cturer will put the nent in the current on for admission t	ust be ning o dents r regi or in o asso	e met to qualify for of the course. Reg is have obtained t istration for asses the subsequent s essment anew.	r admission to as istration for the c ne qualification fo sment into effect. semester. For asse	ssessment. The course will be c or admission to . Students who essment at a la	e lecturer will in considered a de o assessment o o meet all prere ater date, stude	form students about the respec- claration of will to seek admissi- ver the course of the semester, quisites will be admitted to as- nts will have to obtain the quali-

11-SDC-092-m01	Statist	ics, Data	a Analysis	and C	omputer Physics						
	ECTS 4 Duratio				1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		R + V (no information on SWS (weekly contact hours) and course language available)							
	Methoo	d of asse	essment	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English							
	other p	orerequis	sites	Certain prerequisites must be met to quality for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
11-AKM-092-m01	Cosmo	logy									
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		R + V	(no information on S	SWS (weekly contact hours) and course language a	vailable)				
	Methoo	d of asse	essment	 a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will b nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulation 2009. 							
	other p	orerequis	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							

11-APL-092-m01	Plasma	a-Astrop	hysics									
	ECTS	6	Duration	า	1 semester	Method	of grading	numerical g	rade	Modul l	evel	graduate
	Course	es		R + V	R + V (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English								
	other p	orerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								
11-ASP-092-m01	Introdu	uction to	Space P	hysics								
	ECTS	6	Duration	า	1 semester	Method	of grading	numerical g	rade	Modul l	evel	graduate
	Course	es		R + V	(no information	on SWS (weel	<ly contact="" h<="" td=""><td>iours) and co</td><td>ourse language a</td><td>available)</td><td></td><td></td></ly>	iours) and co	ourse language a	available)		
	Metho	d of ass	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations 2009.						oral examination in groups (ap- es) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be an- and examination regulations)		
	other p	prerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								

11-AWP-092-m01	Atmos	sphere and Space Physics												
	ECTS	6	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	es		R + V	(no information on S	WS (weekly contact hours) and course language av	ailable)							
	Metho	d of asse	essment	prox. 30 minutes per candidate) or c) project report (approx. 8 pages, time to complete: 1 to 4 weeks) or d) presentation/semi- nar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be an- nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German or English										
	other p	orerequis	sites	Certain prerequisites must be met to quality for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.										
11-GRT-092-m01	Group	Theory												
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language av	ailable)							
	Metho	d of asse	essment	a) writ prox. to 10 J Asses nound 2009. Langu	tten examination (ap 30 minutes per cano bages, time to comp sment offered: Whe red in due form und age of assessment:	oprox. 90 minutes) or b) oral examination of one car didate, for modules with less than 4 ECTS credits ap lete: 1 to 4 weeks) or d) presentation/seminar prese n and how often assessment will be offered depend er observance of Section 32 Subsection 3 ASPO (ger German, English	ndidate each or prox. 20 minute entation (approx ls on the metho neral academic	oral examination in groups (ap- is) or c) project report (approx. 8 k. 30 minutes) d of assessment and will be an- and examination regulations)						
	other p	prerequis	sites	Certai tive de on to the le sessm ficatio	n prerequisites mus etails at the beginni assessment. If stude cturer will put their r tent in the current o on for admission to a	t be met to qualify for admission to assessment. Th ng of the course. Registration for the course will be ents have obtained the qualification for admission t registration for assessment into effect. Students wh r in the subsequent semester. For assessment at a l assessment anew.	e lecturer will in considered a de o assessment o o meet all prere ater date, stude	form students about the respec- claration of will to seek admissi- ver the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-						

11-NMA-092-m01	Nume	rical Met	hods in Astrophysics											
	ECTS 6 Duratio			l	1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses				(no information on S	SWS (weekly contact hours) and course language a	available)							
	Metho	d of ass	essment	a) writ prox. to 10 Asses nounc 2009. Langu	tten examination (aj 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und age of assessment:	oprox. 90 minutes) or b) oral examination of one c didate, for modules with less than 4 ECTS credits a olete: 1 to 4 weeks) or d) presentation/seminar pre n and how often assessment will be offered depen er observance of Section 32 Subsection 3 ASPO (g German, English	andidate each or opprox. 20 minute sentation (approx ods on the metho eneral academic	oral examination in groups (ap- es) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be an- and examination regulations)						
	other	orerequi	sites	tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.										
11-RNT-092-m01	Renor	malizati	on Theory											
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	es		R + V	+ V (no information on SWS (weekly contact hours) and course language available)									
	Metho	d of ass	essment	a) writ prox. to 10 Asses nounc 2009. Langu	tten examination (ap 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und nage of assessment:	oprox. 90 minutes) or b) oral examination of one c didate, for modules with less than 4 ECTS credits a olete: 1 to 4 weeks) or d) presentation/seminar pre n and how often assessment will be offered depen er observance of Section 32 Subsection 3 ASPO (g German, English	andidate each or approx. 20 minute sentation (approz ads on the metho eneral academic	oral examination in groups (ap- es) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be an- and examination regulations)						
	other	prerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.										

11-RQFT-092-m01	Relativ	Relativistical Quantumfield Theory											
	ECTS	8	Duratior	ו	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	es		R + V	+ V (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of asso	essment	a) writ prox. to 10 Asses nounc 2009. Langu	tten examination (aj 30 minutes per cano pages, time to comp sment offered: Whe ced in due form und age of assessment:	oprox. 90 minutes) or b) oral examination of one ca didate, for modules with less than 4 ECTS credits ap olete: 1 to 4 weeks) or d) presentation/seminar pres n and how often assessment will be offered depend er observance of Section 32 Subsection 3 ASPO (ge German, English	ndidate each or pprox. 20 minute entation (approx ds on the metho neral academic	oral examination in groups (ap- es) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be an- and examination regulations)					
	other p	orerequi	sites	tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission for admission to assessment anew.									
11-RTT-092-m01	Theory	of Rela	tivity										
	ECTS	6	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	es		R + V	(no information on S	SWS (weekly contact hours) and course language av	vailable)						
	Metho	d of asso	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in group prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (app to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will k nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulatio 2009. Language of assessment: German, English									
	other p	prerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.									

11-TEP-092-m01	Theore	etical Ele	ementary	Particl	e Physics							
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		R + V	R + V (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English								
	other p	orerequi	sites	tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission for admission to assessment anew.								
11-TPE-092-m01	Experi	mental I	Particle P	ysics								
	ECTS	4	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		R + V	(no information on	SWS (weekly contac	t hours) and course language av	ailable)				
	Method of assessment				a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be an nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.							
	other p	prerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								

11-TPS-092-m01	Particle Phys	ics (Standa	ard Mode	el)				_			
	ECTS 8	Duratio	n 1	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		R + V (no	+ V (no information on SWS (weekly contact hours) and course language available)							
	Method of as	sessment	 a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English 								
	other prerequ	uisites	Certain tive deta on to as the lectu sessmen fication	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- ive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, he lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- ication for admission to assessment anew.							
11-SUS-092-m01	Supersymme	try I and II				-					
	ECTS 6	Duratio	n 1	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V + R (no	o information o	n SWS (weekly contact	hours) and course langu	uage available)				
		sessment	prox. 30 to 10 pa Assessn nounced 2009. Languag	brox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be an- nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English							
	other prerequ	uisites	Certain tive deta on to as the lectu sessmen fication	prerequisites m ails at the begin sessment. If stu urer will put the nt in the current for admission t	ust be met to qualify f ning of the course. Re udents have obtained ir registration for asse t or in the subsequent o assessment anew.	or admission to assessm gistration for the course the qualification for adm ssment into effect. Stude semester. For assessme	nent. The lecturer will in will be considered a de ission to assessment o ents who meet all prere nt at a later date, stude	nform students about the respect eclaration of will to seek admiss over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali			
Application-oriente	ed Work Place	ment (10 EC	CTS credit	ts)							
10-M=E-	Internship (L	ab Course)	Applied	Mathematics							
PRK-102-m01	ECTS 10	Duratio	n 1	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		P (no inf	formation on SV	VS (weekly contact ho	urs) and course language	e available)				
	Method of as	sessment	placeme cal cour Languag	ent report / fielo se (oral: approx ge of assessme	lwork report / report o k. 30 to 60 minutes, wr nt: German, English	n practical training / repo itten: approx. 10 to 30 pa	ort on practical course ages)	/ project report / report on tech			
	other prerequ	uisites	Module ster the	can only be tak student for ass	be taken if a lecturer from the Institute of Mathematics agrees to supervise the placement. He or she will reg or assessment.						
Master's with 1 major Ma	thematics (2010)					JMU Würzburg • generated	26-Aug-2024 • exam. reg. data ı	record 88 105 - - H 2010 page 56 / 56			