

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject **Physics**

with the degree "Exchange Austauschprogramm" (ECTS credits)

Responsible: Faculty of Physics and Astronomy

Examination regulations version: 2023

Abbreviations used: Course types: $\mathbf{E} = \text{field trip}$, $\mathbf{K} = \text{colloquium}$, $\mathbf{O} = \text{conversatorium}$, $\mathbf{P} = \text{placement/lab course}$, $\mathbf{R} = \text{project}$, $\mathbf{S} = \text{seminar}$, $\mathbf{T} = \text{tutorial}$, $\ddot{\mathbf{U}} = \text{exercise}$, $\mathbf{V} = \mathbf{V} = \mathbf{V}$ = lecture

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

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

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

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

Conventions for the modules in this SFB:

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Information on assessment procedures: Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

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

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

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

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

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

Every module will be described using the following form:

Abbreviation	Module title									
	ECTS		Duration	(in semesters)	Method of grading		Module level			
	Courses		To be spe	cified in the form)	〈 (y) with course type እ	abbreviated as specified abov	ve and number of wee	ekly contact hours y		
	Method of as	ssessme	ent							
	Only after su completion of		l if applica	ble						
	Other prereq	uisites	if applica	if applicable						
	Participants and allocation of places		ocati- if applica	if applicable						
	Additional information		on if applica	if applicable						
	Referred to i	n LPO I	if applica	ble (examination r	egulations for teaching	g-degree programmes)				

Bachelor										
11-ASI-152-m01	Imaging Sensors in Inf	ared								
	ECTS 3 Duration		Method of grading numerical grade	Modul level	undergraduate					
	Courses	V (2) Module taught in: German or English								
	Method of assessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: Once a year, summer semester								
11-AP-152-m01	Astrophysics									
	ECTS 6 Duration	n 1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses	V (2) + R (2) Module taught in: German	or English	-						
	Method of assessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chang the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	Referred to in LPO I	§ 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f)								
11-APP-152-m01	Laboratory Course Astr									
	ECTS 6 Duration		Method of grading (not) successfully completed	Modul level	graduate					
	Courses	P (4) Module taught in: German								
	Method of assessment	sed. Experiments that were	nd evaluating the experiments will be considered not successfully completed can be repeated one ndidate's understanding of the physics-related conserman and/or English	e or						

11-E-AA-202-m01	Atoms	and Mo	lecules - I	Exercis	es							
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		Ü (2)								
					le taught in: Germa							
	Method	d of ass	essment	written examination (approx. 120 minutes) Language of assessment: German and/or English								
11-E-A-152-m01	Atoms	Atoms and Quanta										
	ECTS	8	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (4) + Modu	- Ü (2) le taught in: Ü: Ger	man or English						
	Method of assessment				n examination (appage of assessment	orox. 120 minutes) : German and/or Engl	lish					
11-P-FR1-152-m01	Data and Error Analysis											
	ECTS 2 Duratio			า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		V (1) + Ü (1) Module taught in: Ü: German or English								
	Method	d of ass	essment	written examination (approx. 120 minutes) Language of assessment: German and/or English								
	other prerequisi				Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform stabout the respective details at the beginning of the semester.							
	Additional Information			considered the questuder for an sessm	dered a declaration academic and exar alification for admints that meet the reassessment or wh	of will to seek admis nination regulations). ission to assessment espective prerequisite ose registration for an	If the module coordinators sub, they will put the student's reg es can successfully register for a a assessment was not put into e	o Section 20 Subsequently find istration for ass an assessment. Effect will not be	bsection 3 Sentence 4 ASPO (ge- that the student has obtained essment into effect. Only those			
					Nr. 1 c) Nr. 1 d)							

11-BVG-202-m01	Coating Technologies based on Vapour Deposition											
	ECTS	5	Duration)	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S			+ R (1)		•					
					ıle taught in: Germar							
	Method	d of ass				pprox. 90 to 120 minutes) or						
					b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or							
				d) project report (approx. 8 to 10 pages) or								
				e) pre	esentation/talk (app	rox. 30 minutes).						
				If a w	ritten examination w	vas chosen as method of assessment, this may be o	changed and ass	sessment may instead take the				
						on of one candidate each or an oral examination in students about this by four weeks prior to the origin						
						German and/or English	at examination	date at the fatest.				
				Assessment offered: Once a year, summer semester								
	creditable for bonus Imaging Methods at the Synchroton											
11-BMS-152-m01							T					
		6	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S			('(3) + R (1)) Module taught in: German or English							
	Mothod	d of acc				on (approx. 90 to 120 minutes) or						
	Method	J 01 a55				e candidate each (approx. 30 minutes) or						
				c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or								
				d) project report (approx. 8 to 10 pages) or								
				e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the								
				form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,								
				the le	the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
						German and/or English						
	_			Asse	ssment offered: Once	e a year, summer semester						
11-CP-152-m01			l Physics			1	1					
	-	6	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S			+ R (1) ıle taught in: Germar	n or English						
	Mothod	d of acc				pprox. 90 to 120 minutes) or						
	Method	J 01 d55				e candidate each (approx. 30 minutes) or						
				c) ora	al examination in gro	ups (groups of 2, approx. 30 minutes per candidate						
						8 to 10 pages) or presentation/talk (approx. 30 mir						
						as chosen as method of assessment, this may be c on of one candidate each or an oral examination in						
						students about this by four weeks prior to the origin						
				Language of assessment: German and/or English								
				Asse	ssment offered: Once	e a year, winter semester						

11-DTS-152-m01	Particle Radiation Detectors											
	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	·		V (2) + R (1) Module taught in: German or English								
	Method of a	ssessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: Once a year, summer semester									
11-EBV-152-m01	Principles of Image Processing											
	ECTS 3	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	,	V (2) Module taught in: German or English									
	Method of a	ssessment	b) ora c) ora d) pro e) pre If a wr form o the le- Langu	l examination of on lexamination in groject report (approx. sentation/talk (appitten examination wof an oral examinaticturer must inform sage of assessment:	8 to 10 pages) or rox. 30 minutes). was chosen as method on of one candidate 6	prox. 30 minutes) or prox. 30 minutes per candidate of assessment, this may be ceach or an oral examination in y four weeks prior to the origin lish	hanged and ass groups. If the m	sessment may instead take the ethod of assessment is changed, date at the latest.				

11-ENT-152-m01	Princip	les of E	nergy Tec	hnolo	gies						
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ R (1)						
					ıle taught in: Germ						
	Method	l of asso		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	Referre	d to in L	-PO I	Asse: § 22 § 22	ssment offered: On II Nr. 1 h) II Nr. 2 f)	ce a year, winter semester					
	§ 22 II Nr. 3 f) Introduction to Solid State Physics										
11-E-F-152-m01					1	Mathadak and in a languagian and a	Modul level	Lundarena duata			
	ECTS 8 Duratio Courses			V (4)	1 semester + Ü (2) ıle taught in: Ü: Ge	Method of grading numerical grade	Modulitevel	undergraduate			
	Method of assessment			writte	en examination (ap						
11-N-EIN-212-m01	Introduction to Quantum Technology										
	ECTS	7	Duration		2 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		V (2) + S (2) Module taught in: German or English							
	Method	of asso									
	other p	rerequi	sites	Admi	ssion prerequisite	to assessment: regular attendance (minin	num 85% of sessions).				
	Additio	nal Info		consineral the q stude for ar sessi	dered a declaration academic and exa ualification for adments that meet the rassessment or wh	t registers for the exercises and obtains the of will to seek admission to assessment mination regulations). If the module coordission to assessment, they will put the strespective prerequisites can successfully mose registration for an assessment was nakes an assessment to which he/she has	pursuant to Section 20 Sidinators subsequently find udent's registration for as register for an assessment ot put into effect will not be	ubsection 3 Sentence 4 ASPO (geld that the student has obtained sessment into effect. Only those to the sessment to the respective as-			

11-RRF-202-m01	Introduction to Relativistic Physics and Classical Field Theory										
	ECTS 6	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses	·	V (3) + R (1)		,						
			Module taught in: German or English								
	Method of a	issessment	a) written examination	(approx. 90 to 120 minutes) or							
			b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or								
			e) presentation/talk (a	pprox. 30 minutes). n was chosen as method of assessment, this may	he changed and ass	sassment may instead take the					
				ation of one candidate each or an oral examinatio							
			the lecturer must infor	m students about this by four weeks prior to the o							
				ent: German and/or English							
11-LVW-152-m01	Assessment offered: Once a year, summer semester Introduction to Labview										
11-Lv w-152-11101	ECTS 6	Duration	1	Method of grading numerical grade	Modul level	graduate					
	Courses	Duration	V (1) + R (3)	Method of glading humeneat glade	Modulitevel	graduate					
	Courses		Module taught in: Geri	man or English							
	Method of a	ssessment	a) written examination	(approx. 90 to 120 minutes) or							
			b) oral examination of	one candidate each (approx. 30 minutes) or	: d - t - \						
			c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or								
			e) presentation/talk (approx. 30 minutes).								
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.								
			Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
		,									
11-QUI-202-m01			n Computing and Quan								
	ECTS 6	Duration		Method of grading numerical grade	Modul level	undergraduate					
	Courses		V (3) + R (1)	oran an Eurolish							
	Mathadafa		Module taught in: Gerr								
	Method of a	issessment		(approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or							
			c) oral examination in	groups (groups of 2, approx. 30 minutes per candi	idate) or						
			d) project report (appr								
			e) presentation/talk (a	pprox. 30 minutes). n was chosen as method of assessment, this may	he changed and ass	sassment may instead take the					
				ation of one candidate each or an oral examinatio							
			the lecturer must inform students about this by four weeks prior to the original examination date at the latest.								
			Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
			Assessment offered: If	i the semester in which the course is offered and I	ii iiie subsequent so	emester					

11-T-E-152-m01	Electro	dynami	cs									
	ECTS	8	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (4) +			•	-				
					Module taught in: Ü: German or English							
	Method	d of ass	essment		written examination (approx. 120 minutes) Language of assessment: German and/or English							
11-T-EA-152-m01	Flectro	dynami	cs - Exerc		, ,							
11 1 2/(152 11101	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			Ü (2)			Thumbert grade		a.r.ao.g.aaaaco			
	Method	d of ass	essment	writte	Wodule taught in: Ü: German or English Written examination (approx. 120 minutes) Language of assessment: German and/or English							
11-EL-152-m01	Electro	nic Circ	uits	Langu	age of assessmen	t. German and/or Eng	(1311	1				
,	ECTS	6	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S			V (3) + R (1) Module taught in: German or English							
				c) oral d) pro e) pre If a wr form o the lee	b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chang the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: Once a year, summer semester							
11-FK2B-202-m01		tate Ph	<u> </u>									
	ECTS	8	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (4) + R (2) Module taught in: German or English								
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester								

11-FFI-202-m01	Fit for I	ndustry	,								
	ECTS	3	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses	S			V (1) + R (1) Module taught in: German or English						
44 D ED2 452 mod	Method	l of asse	essment	b) ora c) ora d) pro e) pro If a w form the le Langu	al examination of on al examination in gro oject report (approx. esentation/talk (app ritten examination v of an oral examinati ecturer must inform s uage of assessment:	. 8 to 10 pages) or prox. 30 minutes). was chosen as metho ion of one candidate (oprox. 30 minutes) or prox. 30 minutes per candidate d of assessment, this may be ceach or an oral examination in by four weeks prior to the originals.	hanged and ass groups. If the m	ethod of assessment is changed,		
11-P-FR2-152-m01	Advanced and Computational Data Analysis										
	ECTS	2	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses			V (1) -	+ Ü (1)						
	Method of assessment					mpletion of approx. 50 ce a year, summer ser	o% of approx. 10 exercise shee nester	ts)			
	other prerequisites			Stude	nts are highly recor	mmended to complet	e module 11-P-FR1 prior to comp	oleting module	11-P-FR2.		
11-HLP-152-m01	Fundamentals of Semiconductor Physics										
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S			+ R (1) ıle taught in: Germa	ın or English					
	Method of assessment			b) ora c) ora d) pro e) pro If a w form the le Langu	al examination of on al examination in gro oject report (approx. esentation/talk (app ritten examination v of an oral examinati ecturer must inform s uage of assessment:	ne candidate each (apoups (groups of 2, apoups (groups of 2, apoups) or corox. 30 minutes). Was chosen as metholion of one candidate of	oprox. 30 minutes) or prox. 30 minutes per candidate d of assessment, this may be ceach or an oral examination in so four weeks prior to the originals.	hanged and ass groups. If the m	ethod of assessment is changed,		

11-ZDR-152-mo1	Principles of Two- and Three-Dimensional Röntgen Imaging											
	ECTS	6	Duration		1 semester	Method of gradin	g numerical grade	Modul level	graduate			
	Course	S		V (3) -								
					le taught in: Gern							
	Method	d of ass	essment	a) wri	a) written examination (approx. 90 to 120 minutes) or or one candidate each (approx. 30 minutes) or							
				c) oral examination in groups (groups of 2, approx. 30 minutes) or								
				d) project report (approx. 8 to 10 pages) or								
				e) pre	e) presentation/talk (approx. 30 minutes).							
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,								
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest.								
					anguage of assessment: German and/or English Assessment offered: Once a year, summer semester							
11-GRT-152-m01	Group	Theory		Asses	Sillent offered: O	ice a year, summer so	emester	1				
11-011-152-11101		6	Duration	1	1 semester	Method of gradin	g numerical grade	Modul level	graduate			
	Course		<u> </u>	V (2) -		The state of Grand and	0		3.5.5.6.6.6			
					Nodule taught in: German or English							
	Method	d of ass				(approx. 90 to 120 mi						
							approx. 30 minutes) or	te) or				
				c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or								
				e) presentation/talk (approx. 30 minutes).								
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
11-HLF-152-m01			r Lasers a		r							
		6	Duration		1 semester	Method of gradin	g numerical grade	Modul level	graduate			
	Course	S		V (3) -		aan ar Englich						
	Method	d of acc		Module taught in: German or English								
	Method	u 01 a55		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or								
							pprox. 30 minutes per candida	te) or				
						x. 8 to 10 pages) or oprox. 30 minutes).						
							od of assessment, this may be	changed and ass	sessment may instead take the			
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.								
					Language of assessment: German and/or English Assessment offered: Once a year, summer semester							

11-HS-152-m01	Seminar Exp	erimental/	Theore	tical Physics						
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2) Modu	ıle taught in: Germar	n or English					
	Method of as	sessment	talk with discussion (30 to 45 minutes)							
	other prerequ	uisites	Admi	ssion prerequisite to	assessment: regula	r attendance (minimum 85% o	f sessions).			
	Additional In	formation	consi neral the q stude for ar sessr	dered a declaration of academic and examination for admisents that meet the result assessment or who	of will to seek admis ination regulations). ssion to assessment spective prerequisite se registration for an	If the module coordinators su, they will put the student's reges can successfully register for assessment was not put into	o Section 20 Su bsequently find gistration for ass an assessment. effect will not be	bsection 3 Sentence 4 ASPO (ge-		
11-N-HS-212-m01	Seminar Qua	ntum Tech	nology	1						
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	·	S (2) Modu	ıle taught in: Germar	n or English		,			
	Method of as	sessment		k (30 to 45 minutes) uage of assessment:		b) written examination (appro ish	x. 120 minutes)			
	other prerequ	uisites	Admi	ssion prerequisite to	assessment: regula	r attendance (minimum 85% o	f sessions).			
	Additional In	formation	consi neral the q stude for ar sessr	dered a declaration of academic and examualification for admisents that meet the result assessment or who	of will to seek admis ination regulations). ssion to assessment spective prerequisite se registration for an	If the module coordinators su, they will put the student's reg es can successfully register for assessment was not put into	o Section 20 Su bsequently find gistration for ass an assessment. effect will not be	bsection 3 Sentence 4 ASPO (ge-		
11-E-T-152-m01	Nuclear and I	Elementary	/ Partic	le Physics						
	ECTS 6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			+ Ü (1) ıle taught in: Ü: Germ	nan or English		-			
	Method of as	sessment		en examination (appruage of assessment:		ish				

11-E-M-152-m01	Classical Physics 1 (Mechanics)											
	ECTS 8	Duration	n [1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	`	V (4) + Modul	- Ü (2) le taught in: Ü: Ge	rman or English		,					
	Method of ass	essment	written examination (approx. 120 minutes) Language of assessment: German and/or English									
	other prerequi	sites	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.									
	Additional Info	ormation	consider neral at the questuder for an sessm	dered a declaratio academic and exa Ialification for adn nts that meet the I assessment or wh	n of will to seek admis mination regulations) nission to assessment respective prerequisit nose registration for a	sion to assessment pursuant If the module coordinators su they will put the student's re es can successfully register for a assessment was not put into	to Section 20 Subsequently find gistration for assesment. effect will not be	on to assessment, this will be bsection 3 Sentence 4 ASPO (gethat the student has obtained sessment into effect. Only those Students who did not register e admitted to the respective asde achieved in this assessment				
	Referred to in			§ 53 Nr. 1 a) § 77 Nr. 1 a)								
11-E-E-152-m01	Classical Physics 2 (Heat and Electromagnetism)											
	ECTS 8	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (4) + Ü (2) Module taught in: Ü: German or English									
	Method of ass	essment	written examination (approx. 120 minutes) Language of assessment: German and/or English									
	other prerequi	sites	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.									
	Additional Info	ormation	consider neral at the questuder for an sessm	dered a declaratio academic and exa Ialification for adn nts that meet the I assessment or wh	n of will to seek admis mination regulations) nission to assessment respective prerequisit nose registration for a	sion to assessment pursuant in the module coordinators sught they will put the student's register for assessment was not put into	to Section 20 Subsequently find gistration for assesment. effect will not be	on to assessment, this will be bsection 3 Sentence 4 ASPO (gethat the student has obtained sessment into effect. Only those Students who did not register admitted to the respective asde achieved in this assessment				
	Referred to in	LPO I	§ 53 I I § 77 I I	Nr. 1 a) Nr. 1 a)		_						

11-KDS-152-m01	Crystal Growth, thin Layers and Lithography											
	ECTS 6	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate						
	Courses	,	V (3) + R (1)									
			Module taught in: Gen									
	Method of	fassessment		n (approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or								
				groups (groups of 2, approx. 30 minutes) of	didate) or							
			d) project report (approx. 8 to 10 pages) or									
			presentation/talk (approx. 30 minutes). f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the									
			form of an oral examination	on was cnosen as method of assessment, this may nation of one candidate each or an oral examinati	y be changed and ass	sessment may instead take the lethod of assessment is changed						
				m students about this by four weeks prior to the								
				ent: German and/or English								
				Once a year, winter semester	1							
11-LMT-152-m01		<u> </u>	ement Technology		1							
	ECTS 6	Duration		Method of grading numerical grade	Modul level	undergraduate						
	Courses			/ (3) + R (1) Module taught in: German or English								
	Method of	f assessment	a) written examination (approx. 90 to 120 minutes) or									
			b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
			d) project report (approx. 8 to 10 pages) or									
			e) presentation/talk (approx. 30 minutes).									
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the									
			form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.									
			Language of assessme	anguage of assessment: German and/or English								
			Assessment offered: C	Once a year, winter semester								
11-LMB-152-m01		<u> </u>	ement Technology in Bi	· · ·								
	ECTS 6	Duration		Method of grading numerical grade	Modul level	graduate						
	Courses		V (3) + R (1)									
			Module taught in: German or English									
	Method of	rassessment	a) written examination	n (approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or								
			c) oral examination in	groups (groups of 2, approx. 30 minutes) or	didate) or							
			d) project report (approx. 8 to 10 pages) or									
			e) presentation/talk (approx. 30 minutes).									
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
			the lecturer must inform students about this by four weeks prior to the original examination date at the latest.									
			Language of assessme	ent: German and/or English	<u>-</u>							
			Assessment offered: C	Once a year, summer semester								

11-M-D-152-m01	Mathe	matics 3	for Stud	ents of	Physics and relate	d Disciplines (Differential Equations)	1					
	ECTS	8	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S			V (4) + Ü (2) Module taught in: Ü: German or English							
	Method of assessment			written examination (approx. 120 minutes) Language of assessment: German and/or English								
11-M-F-152-m01	Mathematics 4 for Students of Physics and related Disciplines (Complex Analysis)											
	ECTS 8 Duratio			n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses				+ Ü (2) ıle taught in: Ü: Geri	man or English						
	Method	d of ass	essment		n examination (appuage of assessment	orox. 120 minutes) : German and/or English						
11-M-MR-202-m01	Mathe	matical	Methods	of Phy	sics							
	ECTS	6	Duratio	n	2 semester	Method of grading (not) successfully completed	Modul level	undergraduate				
	Course	S			V (2) + Ü (2) + V (2) + Ü (2) Module taught in: German or English							
	Method	d of ass	essment	a) Exe b) Tal	ercises (successful o k (approx. 15 minut	completion of approx. 50% of approx. 13 exercise sh es)	eets) or					
	Referred to in LPO I				§ 53 Nr. 1 a) § 77 Nr. 1 a)							
11-ZMB-152-m01	Methods of Non-Destructive Material Testing											
	ECTS	4	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S			V (2) + R (1) Module taught in: German or English							
	Method	d of ass	essment	b) ora c) ora d) pro e) pre If a wi form of the le Langu	al examination of on I examination in gro opject report (approx. esentation/talk (app ritten examination v of an oral examinati octurer must inform s uage of assessment		changed and as groups. If the m	nethod of assessment is changed,				

11-NAN-152-mo1	Nanoanalytics												
	ECTS	6	Duration	1	1 semester	Method of grading numer	ical grade	Modul level	graduate				
	Course	S			+ R (1) lle taught in: Germ	nan or English							
	Method	l of ass	essment	b) ora c) ora d) pro e) pre If a w form of the le Langu	a) written examination (approx. 90 to 120 minutes) or on oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: Once a year, winter semester								
11-NTE-152-m01	Nanotechnology in Energy Research												
	ECTS	6	Duration		1 semester	Method of grading numer	ical grade	Modul level	graduate				
	Course	S			(3) + R (1) Iodule taught in: German or English								
			essment	b) ora c) ora d) pro e) pre If a w form of the le Langu Asses	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may ins form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment electurer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: Once a year, summer semester								
11-E-OAV-152-mo1			antum Ph										
		6	Duration		2 semester	Method of grading numer	ical grade	Modul level	undergraduate				
	Method		essment	V (4) + V (4) oral examination of one candidate each (approx. 30 minutes) Language of assessment: German and/or English									
11-E-O-152-mo1	Optics	and Wa	ves	241150	Language of assessment. Definal and/of Linguish								
	<u> </u>	8	Duration	1	1 semester	Method of grading numer	ical grade	Modul level	undergraduate				
	Course			V (4) + Ü (2) Module taught in: Ü: German or English									
	Method of assessment			written examination (approx. 120 minutes) Language of assessment: German and/or English									

11-E-OA-152-mo1	Optics and Waves - Exercises													
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
				Ü (2) Module taught in: Ü: German or English										
					written examination (approx. 120 minutes) Language of assessment: German and/or English									
	Referre	d to in L	-	§ 53 Nr. 1 a) § 77 Nr. 1 a)										
11-PPH-201-m01	Physica	Physical Phenomena												
	ECTS	6	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	S			(3) + R (1) lodule taught in: German and/or English									
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and English										
11-P-PC-202-m01			, 		· · · · · · · · · · · · · · · · · · ·	hysics, Computer Aid	• •							
	ECTS Course	8 s	Duration	P (2) -	2 semester + P (2) le taught in: Germai	, ,	(not) successfully completed	Modul level	undergraduate					
	Method of assessment			practical assignment with talk (approx. 30 minutes) Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully completed if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the physics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed. Language of assessment: German and/or English										
	other prerequisites			Stude	ents are highly recon	nmended to complete	e module 11-P-PB prior to comp	leting module 1	1-P-PC.					

11-P-NC-212-m01	Advanced I	aboratory Co	ourse (rrse Quantum Technology C (Modern Physics, Computer Aided Experiments)								
	ECTS 4	Duratio	n	1 semester	Method of grading	(not) successfully co	mpleted	Modul level	undergraduate			
	Courses		P (2)					P				
	Method of	assessment	Prepa plete comp sics-r	ractical assignment with talk (approx. 30 minutes) reparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully cometed if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After ompletion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the phyces-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of e assessment have to be successfully completed.								
	other prere	auisites		dents are highly recommended to complete module 11-P-NB prior to completing module 11-P-NC.								
11-P-PA-152-m01		·		Mechanics, Heat, El		5						
	ECTS 3	Duration		1 semester		(not) successfully co	mpleted	Modul level	undergraduate			
	Courses		P (2)		1 0 0	,	'		, ,			
11-P-BNA-152-m01			Prepa plete comp sics-r the as	ctical assignment with talk (approx. 30 minutes) paring, performing and evaluating (record of readings or lab report) the experiments will be considered successfully comted if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. Both components of assessment have to be successfully completed.								
11-F-BNA-152-11101	ECTS 2	Course Physics A (minor) Duration 1 semester Method of grading (not) successfully completed Modul level undergraduate										
	Courses	Duration	P (2)	1 Semester	Method of grading	(Hot) successfully co	inpieteu	Modul level	undergraduate			
		assessment	practi Prepa plete comp sics-r	ring, performing and if a Testat (exam) is letion of all experimelated contents of t	is passed. Exactly one nents, talk (with discu	of readings or lab repo e experiment that was ssion; approx. 30 min were not successfull	not succe nutes) to t	essfully comple est the candida	oe considered successfully com- ted can be repeated once. After ate's understanding of the phy- ated once. Both components of			
11-P-PB-152-m01	Laboratory	Course Phys	ics B (Classical Physics, E	lectricity, Circuits)							
	ECTS 8	Duratio	n	2 semester	Method of grading	(not) successfully co	mpleted	Modul level	undergraduate			
	Courses		P (2)	+ P (2)								
			Prepa plete comp sics-r the as	ring, performing and if a Testat (exam) is letion of all experimelated contents of the sessment have to be	is passed. Exactly one nents, talk (with discule module. Talks that be successfully comp	of readings or lab report e experiment that was ession; approx. 30 min were not successfull leted.	not succe nutes) to to y complet	essfully comple est the candida ed can be repe	pe considered successfully com- ted can be repeated once. After te's understanding of the phy- ated once. Both components of			
1	other prere	quisites	Stude	ents are highly recor	nmended to complete	e modules 11-P-PA and	d 11-P-FR1	prior to comple	eting module 11-P-PB.			

11-P-BNB-152-m01	Labora	tory Co	urse Phys	ics B (minor)							
	ECTS	4	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		P (2)				•				
	Method of assessment			Prepa pleted comp sics-re	practical assignment with talk (approx. 30 minutes) Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully completed if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the physics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed.							
	other p	rerequi	sites	Stude	Students are highly recommended to complete modules 11-P-BNA and 11-P-FR1 prior to completing module 11-P-BNB.							
11-P-NB-212-m01	Labora	tory Co	urse Quar	itum To	echnology B (Classi	cal Physics, Electrici	ty, Circuits)					
	ECTS	4	Duratio	<u> </u>	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		P (2)								
				Prepa pleted comp sics-re the as	Practical assignment with talk (approx. 30 minutes) Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully completed if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. Afte completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate's understanding of the physics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed.							
CDD		rerequi		Students are highly recommended to complete modules 11-P-PA and 11-P-FR1 prior to completing module 11-P-NB.								
11-SPD-152-m01			niconduct] , , , , , , , , , , , , , , , , , , ,		I.a	· · · · · · · · · · · · · · · · · · ·			
		6	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (3) - Modu	+ R (1) le taught in: Germar	n or English						
	Method of assessmen				I examination of one I examination in gro ject report (approx. sentation/talk (app itten examination w of an oral examinatio cturer must inform s lage of assessment:	8 to 10 pages) or rox. 30 minutes). vas chosen as metho on of one candidate of	prox. 30 minutes) or prox. 30 minutes per candidate of assessment, this may be ceach or an oral examination in y four weeks prior to the originals.	hanged and ass groups. If the m	sessment may instead take the ethod of assessment is changed, date at the latest.			

11-PPT-212-m01	Laborat	ory Cou	ırse Phys	ical Technology of Material Synthesis								
	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses	5	-	P (5) Modu	P (5) Module taught in: German or English							
	Method	of asso	essment	passe sed. A respe the m Langu Asses	Preparation of the experiment will be considered successfully completed if a pre-experiment oral test (approx. 15 minutes) is passed. Performing and evaluating the experiments will be considered successfully completed if a if a Testat (exam) is passed. An experiment log (approx. 8 pages) must be prepared. Each component of the assessment can be repeated once in the respective semester. Only if both components of the assessment have been successfully completed in the same semester will the module component be considered successfully completed. Language of assessment: German and/or English Assessment offered: Once a year, winter semester							
	other pr			Stude	Students of Funktionswerkstoffe (Functional Materials, Bachelor's) are recommended to take module 11-P-FR1.							
11-QFT1B-202-m01	Quantu	m Field	Theory I									
	ECTS 8 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		V (4) + R (2) Module taught in: German or English								
	Method	of asse	essment	b) ora c) ora d) pro e) pre If a wi form o the le Langu	Il examination of on I examination in gro spect report (approx. sentation/talk (app ritten examination w of an oral examinati cturer must inform s	8 to 10 pages) or rox. 30 minutes). vas chosen as methodon of one candidate estudents about this by German and/or Engl	prox. 30 minutes) or prox. 30 minutes per candidate d of assessment, this may be ceach or an oral examination in grown to the originary of the original originary of the original originary of the originary of th	hanged and ass groups. If the m al examination				

11-T-Q-152-m01	Quantum Mechanics												
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	·S			V (4) + Ü (2) Module taught in: Ü: German or English								
	Method	d of ass	sessment		written examination (approx. 120 minutes) Language of assessment: German and/or English								
	other p	rerequ	isites	succe	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Additio	onal Info		consineral the q stude for an sessi	idered a declaratio academic and exa ualification for adn ents that meet the i n assessment or wh	n of will to seek admis mination regulations) nission to assessmen respective prerequisit nose registration for a	ssion to assessment pursu . If the module coordinato t, they will put the student es can successfully registen n assessment was not put	uant to Section 20 Sul irs subsequently find the t's registration for ass er for an assessment. I into effect will not be	on to assessment, this will be osection 3 Sentence 4 ASPO (gethat the student has obtained essment into effect. Only those Students who did not register admitted to the respective asde achieved in this assessment				
11-T-QA-152-m01	Quantum Mechanics - Exercises												
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	:S		Ü (2) Modı	Module taught in: Ü: German or English								
	Method	d of ass	sessment		written examination (approx. 120 minutes) Language of assessment: German and/or English								
	other p	rerequ	isites	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.									
	Additional Information			Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (good neral academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only thos students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective as sessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.									
11-T-QS-152-m01	Quantu	ım Mec	hanics and	d Stat	istical Physics								
	ECTS	6	Duration		2 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course			V (4) + V (4)									
	Method of assessment			oral examination of one candidate each (approx. 30 minutes) Language of assessment: German and/or English									

··· CDC ····	Statistics, Data Analysis and Computer Physics											
11-SDC-152-m01			<u> </u>		· · · · · ·	1		1				
	ECTS	4	Duratio		1 semester	Method of grading n	iumerical grade	Modul level	graduate			
	Course	S		V (2) -								
				Modu	le taught in: Germar	n or English						
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or								
					ject report (approx. sentation/talk (app							
							of assessment this may be ch	nanged and ass	sessment may instead take the			
					form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
				Langu	inguage of assessment: German and/or English							
				Asses	sment offered: Once	e a year, winter semest	er					
11-T-S-152-m01	Statistical Physics											
	ECTS	8	Duration	1	1 semester	Method of grading n	numerical grade	Modul level	undergraduate			
	Course	S		V (4) + Ü (2) Module taught in: Ü: German or English								
	Method of assessment		written examination (approx. 120 minutes) Language of assessment: German and/or English									
11-T-SA-152-m01	Statist	ical Phy	sics - Exe									
	ECTS	5	Duratio	n	1 semester	Method of grading n	numerical grade	Modul level	undergraduate			
	Course	S	,	Ü (2) Modu	le taught in: Ü: Gern	nan or English		,				
	Method	d of ass	essment		n examination (applage of assessment:	rox. 120 minutes) : German and/or Englisl	h					
11-T-SE-152-m01	Statist	ical Phy	sics and	Electro	dynamics							
	ECTS 6 Duratio			1	2 semester	Method of grading n	numerical grade	Modul level	undergraduate			
	Course	S		V (4) + V (4)								
	Method of assessment		oral examination of one candidate each (approx. 30 minutes) Language of assessment: German and/or English									

11-T-M-152-m01	Theoretical Mechanics												
	ECTS	8	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (4) · Modu	V (4) + Ü (2) Module taught in: Ü: German or English								
	Method	d of ass	essment	writte	written examination (approx. 120 minutes) Language of assessment: German and/or English								
	other prerequisites			succe	Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester.								
	Additional Information		ormation	consi neral the qu stude for an sessn	Registration: If a student registers for the exercises and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.								
Master													
11-AAI-Int-201-m01	Advanc	ed Astr	o Imaging	3									
	ECTS	6	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			+ R (1) ıle taught in: Engl	ish							
	Method	l of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									

11-CTA-Int-201-	Advanced Computer Tomography												
mo1	ECTS	6	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			V (3) + R (1) Module taught in: English								
	Method	d of ass	essment	b) ora c) ora d) pro e) pro If a w form the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
11-P-FM1-Int-201-	Advanc	ed Lab	aboratory Course Master Part 1										
mo1	ECTS	3	Duration	ı	1 semester	Method of grading	(not) successfully complete	ed Modul level	graduate				
	Course	S	,	P (3) Modu	P (3) Module taught in: English								
	Method of assessment			Stude an ex perim modu	practical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: English								
	other p	rerequi	sites	Prepa	Preparation and safety briefing.								
11-P-FM2-Int-201-		ed Lab	oratory Co	urse I	Master Part 2								
mo1	ECTS	3	Duration		1 semester	Method of grading	(not) successfully complete	ed Modul level	graduate				
	Course	S		P (3) Modu	ıle taught in: Englis	h							
	Method of assessment			practical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: English									
	other p	rerequi	sites	Preparation and safety briefing.									

11-P-FM3-Int-201-	Advanced Laboratory Course Master Part 3											
mo1	ECTS 3	Duration	ı	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses		P (3) Modu	P (3) Module taught in: English								
	Method of ass	essment	Stude an exp perim modu	practical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: English								
	other prerequi	isites	Prepa	ration and safety b	riefing.							
11-P-FM4-Int-201-	Advanced Lab	oratory Co	urse N	Master Part 4								
mo1	ECTS 3	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses		P (3) Modu	(3) Module taught in: English								
	Method of ass		Stude an exp perim modu Langu	practical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: English								
	other prerequi		Preparation and safety briefing.									
11-MRI-171-m01	Advanced Mag				,							
	ECTS 6	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (3) + R (1) Module taught in: English									
	Method of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead tak form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed to the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester					nethod of assessment is changed, date at the latest.				

11-MRI-Int-201-	Advanced	Magnetic Res	onance	nance Imaging						
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			(3) + R (1)						
				Module taught in: English						
	Method o	f assessment		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or						
			d) proj							
			e) pres	sentation/talk (ap	prox. 30 minutes). was chosen as method of assessment, this may be o	shanged and ac	coccment may instead take the			
			form o	of an oral examinat	ion of one candidate each or an oral examination in	groups. If the m	nethod of assessment is changed.			
			the led	cturer must inform	students about this by four weeks prior to the origin					
				age of assessmen		o cubcoquent co	amactar			
11-OSP-A-Int-201-	Advanced	l Seminar Phys		Silient offered: in t	he semester in which the course is offered and in th	<u> - subsequent se</u>	eniestei			
mo1	ECTS 5			1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	Daracio	S (2)	13011103101	method of grading namehod grade	modul level	Siddate			
				Module taught in: English						
	Method o	f assessment		ith discussion (30						
				age of assessmen	t: English					
11-OSP-B-Int-201- mo1		l Seminar Phys				1				
IIIOI	ECTS 5 Duratio									
	Courses		S (2) Modul	Module taught in: English						
	Method o	f assessment	talk with discussion (30 to 45 minutes) Language of assessment: English							
11-OSN-A-Int-201-	Advanced	l Seminar Qua				1				
mo1	ECTS 5			1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		S (2)		5 51 5					
			Module taught in: English							
	Method o	f assessment	talk with discussion (30 to 45 minutes)							
OCN D lat acc	Advenue	l Caminar Ova		Language of assessment: English						
11-OSN-B-Int-201- mo1		l Seminar Qua			Mathad of avading house avisal avada	Madullaval	are duata			
		Duration	S (2)	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			e taught in: Englis	h					
	Method o	f assessment		ith discussion (30						
			Langu	age of assessmen	t: English					

11-QIC-Int-201-m01	Advanc	ed The	ory of Qua	ntum Computing and	Quantum Information	,					
	ECTS	6	Duration	1 semester	Method of grading numerical gra	ade N	Nodul level	graduate			
	Course	S		V (3) + R (1) Module taught in: En	glish	,					
	Method	d of ass	essment	a) written examination of c) oral examination of c) oral examination in d) project report (apple) presentation/talk (If a written examinatiform of an oral examinatific the lecturer must inform under the lecturer must	a) written examination (approx. 90 to 120 minutes) or o) oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or oral examination (approx. 8 to 10 pages) or or oral examination (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-ASM-161-mo1	Method	ds of Ob	servation	al Astronomy							
	ECTS	6	Duration	1 semester	Method of grading numerical gra	ade N	Nodul level	graduate			
	Course	S		V (3) + R (1) Module taught in: Ge	rman or English						
				b) oral examination of c) oral examination in d) project report (apple) presentation/talk (If a written examinatiform of an oral examination the lecturer must infollonguage of assessm	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instea form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-AP-Int-201-m01	Astropl		1								
	ECTS Course:	6 s		1 semester V (2) + R (2) Module taught in: En	Method of grading numerical gragglish	ade N	Modul level	undergraduate			
	Method	d of ass		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-BIC-Int-201-m01	mo1 Basic Imaging Concepts										
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			V (3) + R (1) Module taught in: English						
	Method	d of ass		b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-IRP-Int-201-m01	Basic I	maging	Reconstr	uction	and Processing						
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) -	+ R (1) lle taught in: Englisl	h					
	Method of assessment			b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment of an oral examination of one candidate each or an oral examination in groups. If the method of as the lecturer must inform students about this by four weeks prior to the original examination date at the Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-BSV-161-m01					n Physics						
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			V (2) + Ü (2) Module taught in: German or English							
	Method	d of ass		b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester						

11-BMT-161-mo1	Biophy	sical M	leasureme	nt Technology in Medi	cal Science									
	ECTS	6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate							
	Course	:S		V (3) + R (1)										
				Module taught in: Ger										
	Metho	d of ass	sessment	a) written examination of	n (approx. 90 to 120 minutes) or									
					o) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
				d) project report (appr	d) project report (approx. 8 to 10 pages) or									
				e) presentation/talk (approx. 30 minutes) on was chosen as method of assessment, this ma	w he changed and ass	secement may instead take the							
					nation of one candidate each or an oral examinati									
				the lecturer must info	rm students about this by four weeks prior to the									
					ent: German and/or English	Lin the subsequent so	omostor							
11-BWW-Int-201-	Bosoni	sation	Assessment offered: In the semester in which the course is offered and in the subsequent semester and Interactions in One Dimension											
mo1	ECTS	6	Duration		Method of grading numerical grade	Modul level	graduate							
	Course			V (3) + R (1)	method of glading framement glade	Modulitevel	Sidduce							
				Module taught in: Eng	dish									
	Metho	d of ass	sessment	a) written examination (approx. 90 to 120 minutes) or										
				b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or										
				d) project report (approx. 8 to 10 pages) or										
				e) presentation/talk (approx. 30 minutes).										
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,										
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English										
				Assessment offered: In the semester in which the course is offered and in the subsequent semester										
11-BWW-161-mo1			1	ctions in One Dimensi										
	ECTS	6	Duration		Method of grading numerical grade	Modul level	graduate							
	Course	·S		V(3) + R(1) Module taught in Cormon or English										
	Motho	d of acc		Module taught in: German or English a) written examination (approx. 90 to 120 minutes) or										
	Metho	u 01 a55			f one candidate each (approx. 30 minutes) or									
				c) oral examination in	groups (groups of 2, approx. 30 minutes per cand	didate) or								
				d) project report (approximation /talk (rox. 8 to 10 pages) or									
				If a written examination	e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the									
				form of an oral examin	nation of one candidate each or an oral examinati	ion in groups. If the m	ethod of assessment is changed,							
					rm students about this by four weeks prior to the	original examination	date at the latest.							
					ent: German and/or English n the semester in which the course is offered and	l in the subsequent so	emester							
				, issessification circle. I										

11-NMA-161-mo1	Computatio	nal Astroph	ysics		,					
	ECTS 6	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	 ,	V (3) + R (1)							
			Module taught in: Ger							
	Method of a	ssessment	a) written examination	n (approx. 90 to 120 minutes) or f one candidate each (approx. 30 minutes) or						
				groups (groups of 2, approx. 30 minutes) or	lidate) or					
			d) project report (app	rox. 8 to 10 pages) or						
			e) presentation/talk (approx. 30 minutes)						
				on was chosen as method of assessment, this may nation of one candidate each or an oral examination						
			the lecturer must info	rm students about this by four weeks prior to the o						
				ent: German and/or English						
		1.4.1.1		n the semester in which the course is offered and	in the subsequent s	emester				
11-NMA-Int-201- mo1	Computatio		<u> </u>							
	ECTS 6	Duratio		Method of grading numerical grade	Modul level	graduate				
	Courses		V (3) + R (1) Module taught in: English							
	Method of a	ssessment	a) written examination (approx. 90 to 120 minutes) or							
			b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or							
			d) project report (approx. 8 to 10 pages) or							
			e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-CMS-Int-201-		,	ls Science (DFT)							
mo1	ECTS 8	Duratio		Method of grading numerical grade	Modul level	graduate				
	Courses		V (4) + R (2) Module taught in: English							
	Method of a	ssessment	a) written examination	n (approx. 90 to 120 minutes) or						
				f one candidate each (approx. 30 minutes) or						
				c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or						
				d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes).						
			If a written examination	on was chosen as method of assessment, this may						
				nation of one candidate each or an oral examination						
			Language of assessm	rm students about this by four weeks prior to the c	original examination	date at the latest.				
				n the semester in which the course is offered and	in the subsequent s	emester				
					•					

11-KFT-Int-201-m01	Confor	Conformal Field Theory												
	ECTS	6	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S			(3) + R (1) odule taught in: English									
				b) ora c) ora d) pro e) pro If a w form the le Langu Asses	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-CAP-Int-201-	Conten	porary	Astrophy	sics				-						
mo1	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S			/ (3) + R (1) Module taught in: English									
	Method of assessment			b) ora c) ora d) pro e) pro If a w form the lo Lange	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may insform of an oral examination of one candidate each or an oral examination in groups. If the method of assessment electurer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-AKM-Int-201- m01	Cosmo		Duration		1	As a thread of any adirect in the second of	[NA a deel Laccal	l ave du ata						
11101	ECTS 6 Duratio Courses			n 1 semester Method of grading numerical grade Modul level graduate V(3) + R(1) Module taught in: English										
	Method	l of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										

11-GGD-161-m01	Introduction to Gauge/Gravity Duality												
	ECTS 8	Duration	1 ser	nester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (4) + R (2)										
				ght in: Germa									
	Method o	f assessment			approx. 90 to 120 minutes) or								
				o) oral examination of one candidate each (approx. 30 minutes) or) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or l) project report (approx. 8 to 10 pages) or									
			d) project re										
			e) presenta	tion/talk (app	prox. 30 minutes).								
					was chosen as method of assessment, this may be ion of one candidate each or an oral examination in								
					students about this by four weeks prior to the origin								
			Language o	f assessment	: German and/or English								
				t offered: In th	he semester in which the course is offered and in th	ie subsequent se	emester						
11-EPP-161-m01		on to Plasma I											
	ECTS 6			nester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (2) + R (2) Module tau	(2) + R (2) Module taught in: German or English									
	Method o	f assessment	a) written examination (approx. 90 to 120 minutes) or										
			b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or										
			d) project report (approx. 8 to 10 pages) or										
			e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.										
				ne tecturer must inform students about this by four weeks prior to the original examination date at the latest. .anguage of assessment: German and/or English									
			Assessment offered: In the semester in which the course is offered and in the subsequent semester										
11-ASP-161-m01	Introducti	ion to Space Pl	nysics										
	ECTS 6	Duration	1 ser	nester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (3) + R (1)										
			Module taught in: German or English										
	Method of	f assessment	a) written e	xamination (a	approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or								
			c) oral exam	nination in gr	oups (groups of 2, approx. 30 minutes) of	e) or							
			d) project re	eport (approx.	. 8 to 10 pages) or	o, o.							
			e) presentation/talk (approx. 30 minutes).										
					was chosen as method of assessment, this may be ion of one candidate each or an oral examination in								
					students about this by four weeks prior to the origin								
			Language o	f assessment	: German and/or English								
			Assessmen	t offered: In th	he semester in which the course is offered and in th	ie subsequent se	emester						

11-EIM-Int-201-	Electron	n and Io	n Micros	сору	ру						
mo1	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	6			V (3) + R (1) Module taught in: English						
	Method	of asse	essment	a) wri b) ora c) ora d) pro e) pro If a w form the le Langu	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes) a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, we lecturer must inform students about this by four weeks prior to the original examination date at the latest. Anguage of assessment: English sesessment offered: In the semester in which the course is offered and in the subsequent semester						
11-EIM-211-m01	Electron	n and lo	n Micros	сору	'		•				
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	5			(3) + R (1) Sodule taught in: German or English						
	Method of assessment			b) ora c) ora d) pro e) pro If a w form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may ir form of an oral examination of one candidate each or an oral examination in groups. If the method of assess the lecturer must inform students about this by four weeks prior to the original examination date at the lates Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-TPE-Int-201-m01	Experim	nental F	Particle Ph	, , , , , , , , , , , , , , , , , , ,							
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	5			V (3) + R (1) Module taught in: English						
	Method	of asse		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-TPE-161-m01	Experin	Experimental Particle Physics													
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Course	S			V (3) + R (1) Module taught in: German or English										
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester											
11-FFK-201-m01	Field Theory in Solid State Physics														
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Course	S			V (4) + R (2) Module taught in: German or English										
	Method	d of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester											

11-FK2-201-m01	Solid S	Solid State Physics 2													
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Course	S	_		V (4) + R (2) Module taught in: German or English										
	Method	d of ass	essment	b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester										
	other p	rerequi	sites	Appro	oval from examinat	ion committee require	ed.								
11-FKS-161-m01	Solid S	tate Sp	ectrocopy	/											
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Course	S		V (3) + R (1) Module taught in: German or English											
	Method	d of ass	essment	b) ora c) ora d) pro e) pre If a wi form of the le Langu	al examination of o l examination in g oject report (approx esentation/talk (ap ritten examination of an oral examina ecturer must inform uage of assessmen	x. 8 to 10 pages) or prox. 30 minutes) was chosen as methotion of one candidate students about this but: German and/or Eng	oprox. 30 minutes) or prox. 30 minutes per candidated of assessment, this may be each or an oral examination ir by four weeks prior to the original or the ori	changed and ass n groups. If the m nal examination							

11-FFK-Int-201-m01	Field Th	Field Theory in Solid State Physics												
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S			V (4) + R (2) Nodule taught in: English									
				b) oral c) oral d) proj e) pres If a wri form of the lec Langua Assess	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-AAI-212-m01	Advanc	ed Astr	o Imaging	5										
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S		V (3) +	R (1) e taught in: Germa	an or English	,							
	Method	d of ass		b) oral c) oral d) proj e) pres If a wri form of the lec Langua	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may form of an oral examination of one candidate each or an oral examination in groups. If the method of assess the lecturer must inform students about this by four weeks prior to the original examination date at the late Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-CTA-212-m01			puter Tom		•									
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate						
	Course			V (3) + R (1) Module taught in: German or English										
	Method	d of ass		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester										

11-P-FM1-161-m01	Advanced Labo	oratory Co	urse N	Naster Part 1						
	ECTS 3	Duratio	ı	1 semester	Method of grading	(not) successfully comple	eted Modul le	evel	graduate	
	Courses		P (3)				-			
	Method of ass	essment	Stude an exp perim modu	practical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: German and/or English						
	other prerequi	sites	Prepa	Preparation and safety briefing.						
11-P-FM2-161-m01	Advanced Labo	oratory Co	urse N	Master Part 2						
	ECTS 3	Duratio	ı	1 semester	Method of grading	(not) successfully comple	eted Modul le	evel	graduate	
	Courses		P (3)				`			
	Method of ass	essment	Stude an exp perim modu Langu	udents must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) experiment to be considered to have successfully completed this experiment. Students must successfully complete two exriments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective odule description. nguage of assessment: German and/or English						
	other prerequi	sites	Prepa	ration and safety br	iefing.		,			
11-P-FM3-161-m01	Advanced Labo	oratory Co	urse N	Master Part 3			,			
	ECTS 3 Duration 1 semester Method of grading (not) successfully completed Modul level graduate								graduate	
	Courses		P (3)							
	Method of ass	essment	Stude an exp perim modu	periment to be cons ents to be consider le description.	idered to have succe	ssfully completed this exp lly completed this module	eriment. Stude	ents m	form of a scientific publication) nust successfully complete two ex- us are laid down in the respective	
	other prerequi	sites	Prepa	ration and safety br	iefing.		,			
11-P-FM4-161-m01	Advanced Labo	oratory Co	urse N	Master Part 4			,			
	ECTS 3	Duratio	1	1 semester	Method of grading	(not) successfully comple	eted Modul le	evel	graduate	
	Courses		P (3)							
			Stude an exp perim modu Langu	periment to be consider ents to be consider le description. lage of assessment:	idered to have succe ed to have successfu German and/or Eng	ssfully completed this exp lly completed this module	eriment. Stude	ents m	form of a scientific publication) nust successfully complete two ex- s are laid down in the respective	
	other prerequi	Siles	Frepa	ration and safety br	ieiiiig.	,				

11-QIC-201-m01	Advanced The	eory of Qua	ntum	Computing and Qua	antum Information					
	ECTS 6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	·	V (3) + R (1) Module taught in: German or English							
	Method of ass		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-GRTM-Int-201-	Group Theory	,	Į.							
mo1	ECTS 6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	,	V (3) - Modu	F R (1) le taught in: Englis	h					
	Method of ass	sessment	b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
	other prerequ	isites	Appro	val from examinati	on committee require	d.				

11-HPH-201-m01	Semicond	luctor Physics	;			,				
	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		V (3) +							
			_	Module taught in: German or English						
	Method o	fassessment	a) writt	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or						
			d) proj							
			e) pres	entation/talk (a	pprox. 30 minutes).					
					n was chosen as method of assessment, this may bation of one candidate each or an oral examination					
					n students about this by four weeks prior to the ori					
			Langua	age of assessme	nt: German and/or English					
				sment offered: In	the semester in which the course is offered and in	the subsequent s	emester			
11-APL-Int-201-		gy Astrophys				<u> </u>				
mo1	ECTS 6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		Module	(3) + R (1) odule taught in: English						
	Method o	fassessment	a) writt	a) written examination (approx. 90 to 120 minutes) or						
			b) oral	b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or						
			d) proj	d) project report (approx. 8 to 10 pages) or						
			e) pres	e) presentation/talk (approx. 30 minutes).						
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the						
				form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-APL-161-m01		gy Astrophysi	ics							
	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		V (3) +							
			Module taught in: German or English							
	Method o	fassessment			(approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or					
					groups (groups of 2, approx. 30 minutes) of	late) or				
			d) proj	ect report (appro	ox. 8 to 10 pages) or					
					pprox. 30 minutes).					
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the							
			form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
					nt: German and/or English	Smar examination	date at the latest.			
					the semester in which the course is offered and in	the subsequent s	emester			

11-BSV-Int-201-	Image and	d Signal Proce	ssing in Physics	-						
mo1	ECTS 6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		V (2) + Ü (2)		•					
				Module taught in: English						
	Method of	fassessment	a) written examination (approx. 90 to 120 minutes) or							
			b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes).							
				on was chosen as method of assessment, this may nation of one candidate each or an oral examination						
				rm students about this by four weeks prior to the c						
			Language of assessm	ent: English	•					
				n the semester in which the course is offered and	in the subsequent se	emester				
11-GGD-Int-201-			Gravity Duality							
mo1	ECTS 8	Duration		Method of grading numerical grade	Modul level	graduate				
	Courses		V (4) + R (2) Module taught in: English							
	Method of	f assessment	a) written examination (approx. 90 to 120 minutes) or							
				o) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or						
				d) project report (approx. 8 to 10 pages) or						
			e) presentation/talk (approx. 30 minutes).							
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,							
			the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English							
			Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-EPP-Int-201-	Introducti	on to Plasma I	Physics							
mo1	ECTS 6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		V (2) + R (2)							
			Module taught in: English							
	Method of	fassessment	a) written examination	n (approx. 90 to 120 minutes) or fone candidate each (approx. 30 minutes) or						
				groups (groups of 2, approx. 30 minutes) or	lidate) or					
			d) project report (app	rox. 8 to 10 pages) or	induce) of					
			e) presentation/talk (approx. 30 minutes).							
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the							
			form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
			Language of assessment: English							
				n the semester in which the course is offered and	in the subsequent se	emester				

11-ASP-Int-201-	Introduction	to Space P	hysics							
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	·	V (3) +			,				
				le taught in: Engli						
	Method of a	ssessment	a) wrii	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,						
			le) pre							
			form o							
					n students about this by four weeks prior to the or	riginal examination	date at the latest.			
				lage of assessme	nt: English the semester in which the course is offered and i	n the subsequent se	emester			
11-KFT-161-m01	Conformal F	ield Theory				······································				
	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			(3) + R (1) odule taught in: German or English						
	Method of a	ssessment	a) wri	a) written examination (approx. 90 to 120 minutes) or						
			b) ora	b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or						
			d) pro	d) project report (approx. 8 to 10 pages) or						
			e) pre	e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,						
			the le	the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English						
			Langu							
ИСТ	Cambarra al E	ald Theome	Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-KFT2-161-m01	Conformal F ECTS 6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	Duration			Method of grading humerical grade	Modulitevel	graduate			
	Courses		V (3) + R (1) Module taught in: German or English							
	Method of a	ssessment			(approx. 90 to 120 minutes) or					
					one candidate each (approx. 30 minutes) or	: d - t - \				
					groups (groups of 2, approx. 30 minutes per candi ox. 8 to 10 pages) or	idate) or				
			e) pre	sentation/talk (a)	oprox. 30 minutes).					
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the							
			form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
			Language of assessment: German and/or English							
					the semester in which the course is offered and i	n the subsequent se	emester			

11-AKM-161-mo1	Cosmolog	gy								
	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	·	V (3) -							
				le taught in: Germ						
	Method o	f assessment		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or						
			d) pro							
			e) pre	sentation/talk (ap	prox. 30 minutes). was chosen as method of assessment, this may be	changed and ac	sessment may instead take the			
					tion of one candidate each or an oral examination i					
			the le	cturer must inform	students about this by four weeks prior to the orig					
					it: German and/or English the semester in which the course is offered and in t	ha subsaguant s	omactor			
11-MAG-Int-201-	Magnetis		Asses	Silient onereu: iii	the semester in which the course is offered and in t	ne subsequent se	emester			
mo1	ECTS 6			1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	Duration			Method of grading Indifferent grade	Modul level	graduate			
	Courses			((3) + R (1) Module taught in: English						
	Method o	f assessment	a) wri	a) written examination (approx. 90 to 120 minutes) or						
				o) oral examination of one candidate each (approx. 30 minutes) or						
			c) ora	c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or						
				e) presentation/talk (approx. 30 minutes).						
			If a wi	If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the						
				form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-MAG-161-mo1	Magnetis	m								
	ECTS 6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		V (3) -		- P.					
	NA - 411 -	£	Module taught in: German or English							
	Method o	r assessment	a) wri	tten examination (Lexamination of o	approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or					
			c) ora	l examination in g	roups (groups of 2, approx. 30 minutes per candida	ite) or				
			d) pro	ject report (approx	x. 8 to 10 pages) or					
				e) presentation/talk (approx. 30 minutes).						
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,							
			the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
			Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
			Asses	Silient onered: In	the semester in which the course is offered and in t	ne subsequent so	emester			

11-ASM-Int-201-	Methods o	f Observation	nal Astronomy						
mo1	ECTS 6	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		V (3) + R (1) Module taught in: Eng	lish	,				
	Method of	assessment	written examination (approx. 90 to 120 minutes) or						
11-BSM-161-m01	Models Be	yond the Sta	ndard Model of Elemen	tary Particle Physics					
	ECTS 6	Duration	n 1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		V (3) + R (1) Module taught in: Ger						
	Method of	assessment							
11-BSM-Int-201-	Models Be	yond the Sta	ndard Model of Elemen	tary Particle Physics					
mo1	ECTS 6	Duratio		Method of grading numerical grade	Modul level	graduate			
	Courses		V (3) + R (1) Module taught in: English						
	Method of	assessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						

11-MAS-Int-201-	Multi-wav	elength Astro	nomy	,						
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	·	V (3)			,				
	AA (1 1 (le taught in: Englis			_			
	Method of	assessment	a) wri	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or						
				oral examination in groups (groups of 2, approx. 30 minutes per candidate) or						
			d) pro	ject report (approx	x. 8 to 10 pages) or					
				e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the						
					tion of one candidate each or an oral examination i					
			the le	cturer must inform	students about this by four weeks prior to the origi					
				lage of assessmen						
11-MAS-161-mo1	Multi way	elength Astro		sment offered: In	the semester in which the course is offered and in t	ne subsequent se	emester			
11-MAS-101-11101	ECTS 6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	Duration		l	Method of grading numerical grade	Modul level	graduate			
	Courses			(3) + R (1) odule taught in: German or English						
	Method of	assessment		a) written examination (approx. 90 to 120 minutes) or						
				oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or						
				d) project report (approx. 8 to 10 pages) or						
			e) pre	e) presentation/talk (approx. 30 minutes).						
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-NOP-Int-201-	Nano-Opti	ics								
mo1	ECTS 6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		V (3)							
			Module taught in: English							
	Method of	assessment	a) wri	tten examination (approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or					
					roups (groups of 2, approx. 30 minutes) of	te) or				
			d) pro	ject report (approx	x. 8 to 10 pages) or	, -				
				e) presentation/talk (approx. 30 minutes).						
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
			Language of assessment: English							
			Asses	ssment offered: In	the semester in which the course is offered and in t	he subsequent se	emester			

11-NOP-161-mo1	Nano-C	Nano-Optics										
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (3) + R (1) Module taught in: German or English							
	Method	d of asso	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
11-SSC-172-m01	Surface Science											
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (3) + R (1) Module taught in: English								
	Method	d of asso	essment	b) ora c) ora d) pro e) pre If a wr form o the le Langu	l examination of one l examination in gro ject report (approx. sentation/talk (app itten examination w of an oral examination cturer must inform s lage of assessment:	ups (groups of 2, app 8 to 10 pages) or rox. 30 minutes) vas chosen as metho on of one candidate of students about this b German and/or Engl	prox. 30 minutes) or prox. 30 minutes per candidate of assessment, this may be cleach or an oral examination in grown weeks prior to the original process.	hanged and ass groups. If the m al examination (ethod of assessment is changed, date at the latest.			

11-OSP-A-161-m01	Advance	ed Semi	nar Phys	ics A								
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		S (2)	la taught in Carma	n or Fnalish						
	Method	l of occo	comont		le taught in: Germa							
	Method	i oi asse	SSMent	Langu	talk with discussion (30 to 45 minutes) Language of assessment: German and/or English							
	other pr	rerequis	ites	Admis	Admission prerequisite to assessment: regular attendance (minimum 85% of sessions).							
	Additional Information			sidere acade lificat that n sessn If a st	Registration: If a student registers for the seminar and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.							
11-OSP-B-161-mo1	Advance	ed Semi	nar Phys									
	ECTS 5 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (2) Modu	Module taught in: German or English							
	Method	l of asse	ssment		talk with discussion (30 to 45 minutes) Language of assessment: German and/or English							
	other pr				Admission prerequisite to assessment: regular attendance (minimum 85% of sessions).							
	Additional Information			sidered acade lificat that n sessn If a st consi	Registration: If a student registers for the seminar and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered.							
11-OSN-A-212-m01	Advance	ed Semi	nar Quar	ntum T	echnology A							
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (2) Modu	S (2) Module taught in: German or English							
	Method of assessment			talk with discussion (30 to 45 minutes) Language of assessment: German and/or English								

11-OSN-B-212-m01	Advanc	ed Sem	inar Qua	ntum T	echnology B			1			
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (2) Modu	le taught in: Germar	n or English					
	Method	d of ass	essment	talk with discussion (30 to 45 minutes) Language of assessment: German and/or English							
11-HNS-Int-201-	Optical Properties of Semiconductor Nanostructures										
mo1	ECTS 6 Durat			1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (3) - Modu	+ R (1) le taught in: English						
	Method	of ass	essment	b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-HNS-161-m01				miconductor Nanostructures							
	ECTS	6	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (3) - Modu	+ R (1) le taught in: Germar	n or English					
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-OHL-Int-201-	Organio	c Semic	onductor	 s							
mo1	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S			V (3) + R (1) Module taught in: English						
	Method	d of asse		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-OHL-161-m01	Organic Semiconductors										
	ECTS	6	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (3) + R (1) Module taught in: German or English							
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-TPSM-Int-201-	Particle	Particle Physics (Standard Model)								
mo1	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S			+ R (1) lle taught in: Englisl	n				
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
	other prerequisites			Appro	oval from examinati	on committee require	ed.			
11-PTS-201-m01	Phenor	nenolo	gy and Th	eory of Superconductivity						
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			V (3) + R (1) Module taught in: German or English						
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester						

11-PTS-Int-201-	Phenomenology and Theory of Superconductivity											
mo1	ECTS 6	Duratio	n 1 semes	ter	Method of grading numerical grade	Modul level	graduate					
	Courses		V (3) + R (1)									
			Module taught									
	Method of as	ssessment	a) written examination (approx. 90 to 120 minutes) or									
				o) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or								
			d) project report (approx. 8 to 10 pages) or									
			e) presentation	/talk (ap	prox. 30 minutes).							
					was chosen as method of assessment, this mation of one candidate each or an oral examination							
			the lecturer mu	st inform	students about this by four weeks prior to the							
			Language of as									
D1414 1 .	DI : CA			fered: In t	the semester in which the course is offered an	d in the subsequent se	emester					
11-PMM-Int-201- mo1	Physics of A											
IIIOI	ECTS 6	Duratio		ter	Method of grading numerical grade	Modul level	graduate					
	Courses		V (3) + R (1) Module taught in: English									
	Method of as	ssessment	a) written examination (approx. 90 to 120 minutes) or									
			b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
			d) project report (approx. 8 to 10 pages) or									
			e) presentation/talk (approx. 30 minutes).									
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
			the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English									
	,		Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-PKS-Int-201-	Physics of Co											
mo1	ECTS 6	Duratio		ter	Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + R (2) Module taught in: English									
	Method of as	ssessment	a) written exam	nination (a	approx. 90 to 120 minutes) or							
			b) oral examina	ation of o	ne candidate each (approx. 30 minutes) or							
					roups (groups of 2, approx. 30 minutes per car	ndidate) or						
			d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes).									
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
			the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English									
			Assessment offered: In the semester in which the course is offered and in the subsequent semester									
			L			,						

11-PKS-161-mo1	Physics of Complex Systems												
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) + R (2) Module taught in: German or English									
	Method	d of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-PMM-161-mo1	Physics of Advanced Materials												
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (3) + Modu	· R (1) le taught in: Germar	n or English							
	Method	d of asse	essment	b) ora c) ora d) pro e) pre If a wr form o the le- Langu	l examination of one examination in gro ject report (approx. sentation/talk (appitten examination wif an oral examinatioturer must inform sage of assessment:	ups (groups of 2, app 8 to 10 pages) or rox. 30 minutes). vas chosen as metho on of one candidate of students about this b German and/or Engl	prox. 30 minutes) or prox. 30 minutes per candidate) d of assessment, this may be cleach or an oral examination in gy four weeks prior to the origina	hanged and ass groups. If the m al examination (

11-QFT1-201-m01	Quantum Field Theory I												
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (4) + R (2) Module taught in: German or English									
	Method	l of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
	other prerequisites			Appro	val from examinat	ion committee require	ed.						
11-QFT2-161-m01	Quantu	m Field	Theory II										
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			+ R (2) le taught in: Germa	an or English							
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									

11-QM2-161-m01	Quantu	Quantum Mechanics II											
	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S			V (4) + R (2) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-QTR-201-m01	Quantu	ım Tran	sport										
	ECTS	6	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (3) + Modu	- R (1) le taught in: Germar	n or English							
	Method	d of ass	essment	b) ora c) ora d) pro e) pre If a wr form o the le- Langu	l examination of one l examination in gro ject report (approx. sentation/talk (app itten examination w of an oral examinatio cturer must inform s age of assessment:	ups (groups of 2, app 8 to 10 pages) or rox. 30 minutes). ras chosen as metho on of one candidate of tudents about this b German and/or Engl	prox. 30 minutes) or prox. 30 minutes per candidate of assessment, this may be cleach or an oral examination in good four weeks prior to the original	hanged and ass groups. If the m al examination (ethod of assessment is changed, date at the latest.				

11-QFT1-Int-201-	Quantu	Quantum Field Theory I								
mo1	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S	·		+ R (2) Ile taught in: Englis	sh				
				a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
	other prerequisites			Appro	oval from examinat	ion committee require	ed.			
11-QFT2-Int-201-	Quantu	m Field	Theory II							
mo1	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			V (4) + R (2) Module taught in: English						
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						

11-QM2-Int-201-	Quantu	Quantum Mechanics II											
mo1	ECTS	8	Duration)	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses	5		V (4)									
					le taught in: Englis								
	Method	of asse	essment	a) wri	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the								
				d) pro									
				e) pre									
						ion of one candidate each or an oral examination i							
				the le	cturer must inform	students about this by four weeks prior to the origi							
					anguage of assessment: English								
OTD let and	Ouentu	T		Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-QTR-Int-201- mo1	Quantu ECTS	m irans	Duration		l comostor	Mathad of grading burnarical grade	Modul level	are due to					
			J		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses				V (3) + R (1) Module taught in: English								
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or									
				b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
				d) project report (approx. 8 to 10 pages) or									
				e) presentation/talk (approx. 30 minutes).									
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.									
					Language of assessment: English								
				Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-RAI-Int-211-m01		stronor	mical Inte	rferon	etry								
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	6		V (3)									
				Module taught in: English									
	Method	of asse	essment	a) wri	tten examination (a	approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or							
				c) ora	l examination in gr	oups (groups of 2, approx. 30 minutes) of	te) or						
				d) project report (approx. 8 to 10 pages) or									
				e) presentation/talk (approx. 30 minutes).									
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead ta form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is o									
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest.									
				Language of assessment: English									
				Asses	sment offered: In t	he semester in which the course is offered and in t	ne subsequent se	emester					

11-RAI-211-m01	Radio Astronomical Interferometry												
	ECTS	6	Duration	1 :	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	5		V (3) +									
					Module taught in: German or English								
	Method	l of asse		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or									
					c) oral examination of one candidate each (approx. 30 minutes) of c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,								
				d) proje									
				e) pres									
				the lect	turer must inform	students about this by four weeks prior to the original							
						t: German and/or English							
CDT	6 .				ment offered: In t	the semester in which the course is offered and in th	ne subsequent se	emester					
11-SPT-211-m01			e Technol			Mathada famada a lamada	AA = -	Laws durate					
		6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses				V (3) + R (1) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or									
				b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
				d) project report (approx. 8 to 10 pages) or									
				e) presentation/talk (approx. 30 minutes).									
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the									
					form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.								
				Langua	Language of assessment: German and/or English								
				Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-RTT-161-m01	Theory												
	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	5		V (3) + R (1)									
	^ ^ - + l	l af a a a		Module taught in: German or English a) written examination (approx. 90 to 120 minutes) or									
	Method	or asse	essment	a) writt b) oral	en examination (a examination of o	ne candidate each (approx. 30 minutes) or							
				c) oral	examination in gr	oups (groups of 2, approx. 30 minutes per candidat	e) or						
						a. 8 to 10 pages) or							
						prox. 30 minutes).	changed and acc	saccment may instead take the					
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead tak form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is ch									
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest.									
				Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
				Assess	ment offered: In t	the semester in which the course is offered and in the	ne subsequent se	emester					

11-CRP-Int-201-	Renormalization Group and Critical Phenomena												
mo1	ECTS	6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses			V (3) + R (1)		,							
				Module taught in: English									
	Method	of asses		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or									
				e) presentation/talk (approx. 30 minutes).	ov bo shangad and as	saccoment may instead take the						
					on was chosen as method of assessment, this ma nation of one candidate each or an oral examinat								
				the lecturer must info	rm students about this by four weeks prior to the								
				Language of assessm									
DAAFT I					In the semester in which the course is offered and	d in the subsequent se	emester						
11-RMFT-Int-201-				Methods in Field Theo									
			Duration		Method of grading numerical grade	Modul level	graduate						
	Courses			V (4) + R (2) Module taught in: English									
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or									
				b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
				d) project report (approx. 8 to 10 pages) or									
				e) presentation/talk (approx. 30 minutes).									
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English									
				Assessment offered: Once a year as announced									
11-RMFT-161-m01				Methods in Field Theo	<u> </u>								
	ECTS	8	Duration	1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses			V (4) + R (2)									
				Module taught in: German or English									
	Method	of asses			n (approx. 90 to 120 minutes) or f one candidate each (approx. 30 minutes) or								
					groups (groups of 2, approx. 30 minutes) of	ididate) or							
				d) project report (app	rox. 8 to 10 pages) or	,							
				e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed									
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest.									
				Language of assessment: German and/or English									
				Assessment offered:	n the semester in which the course is offered and	d in the subsequent se	emester						

11-CRP-161-mo1	Renormal	Renormalization Group and Critical Phenomena												
	ECTS 6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate								
	Courses		V (3) + R (1)		•									
		,	Module taught in: G											
	Method o	fassessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or											
			e) presentation/talk	e) presentation/talk (approx. 30 minutes).										
				ation was chosen as method of assessment, thi mination of one candidate each or an oral exam										
				form students about this by four weeks prior to										
			Language of assess	sment: German and/or English	_									
				d: In the semester in which the course is offered	d and in the subsequent s	emester								
11-SPT-Int-201-		Probe Techno												
mo1	ECTS 6	Duration		Method of grading numerical grade	Modul level	graduate								
	Courses		V (3) + R (1) Module taught in: E											
	Method o	fassessment	a) written examination (approx. 90 to 120 minutes) or											
			b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or											
			d) project report (approx. 8 to 10 pages) or											
			e) presentation/talk (approx. 30 minutes).											
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the											
			form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester											
11-HPH-Int-201-	Semicond	luctor Physics												
mo1	ECTS 6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate								
	Courses		V (3) + R (1)											
			Module taught in: English											
	Method o	f assessment	a) written examinat	ion (approx. 90 to 120 minutes) or	_									
				of one candidate each (approx. 30 minutes) of in groups (groups of 2, approx. 30 minutes per										
				oprox. 8 to 10 pages) or										
			e) presentation/talk (approx. 30 minutes).											
			If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the											
			form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.											
			Language of assessment: English											
			Assessment offered: In the semester in which the course is offered and in the subsequent semester											
		1	-											

11-FK2-Int-201-m01	Solid S	tate Phy	ysics 2								
	ECTS	8	Duration	1	1 semester	Method of grading nu	merical grade	Modul level	graduate		
	Course	S			V (4) + R (2) Module taught in: English						
				a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
	other p	rerequis	sites	Appro	oval from examinat	on committee required.					
11-FKS-Int-201-m01	Solid S	tate Sp	ectrocopy								
	ECTS	6	Duration	ı	1 semester	Method of grading nu	merical grade	Modul level	graduate		
	Course	S		V (3) - Modu	+ R (1) le taught in: Englis	h					
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-SPI-Int-201-m01													
	ECTS	6	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	!S		V (3) -			,						
	AA .1	1.6			Module taught in: English a) written examination (approx. 90 to 120 minutes) or								
	Metho	d of asso		b) ora c) ora d) pro e) pre If a wi form o	o) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,								
				Langu	ne lecturer must inform students about this by four weeks prior to the original examination date at the latest. anguage of assessment: English ssessment offered: In the semester in which the course is offered and in the subsequent semester								
11-SPI-161-m01	Spintre	onics			1								
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	!S		V (3) - Modu	+ R (1) le taught in: Germa	an or English							
	Method	a or asso		b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is challed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
11-STRG1-171-m01		Theory :											
	ECTS	8	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	!S		V (4) + R (2) Module taught in: German or English									
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									

11-STRG2-171-m01													
	ECTS	6	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	!S		V (3) + R (1) Module taught in: German or English a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
	Metho	d of ass	essment										
11-STRG1-Int-201-	String	String Theory 1											
mo1	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	!S		V (4) + R (2) Module taught in: English									
	Method of assessment			b) ora c) ora d) pro e) pro If a w form the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take t form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is charthelecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
11-STRG2-Int-201-		Theory			1								
mo1	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses			V (3) + R (1) Module taught in: English									
	Metho	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									

11-SSC-Int-201-	Surface Science												
mo1	ECTS	6	Duration	า	1 semester	Method of grading nur	nerical grade	Modul level	graduate				
	Course	S		V (3) + R (1) Module taught in: English									
	Method	d of asse		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-TPSM-211-m01	Particle Physics (Standard Model)												
	ECTS 8 Duratio			1	1 semester	Method of grading nur	nerical grade	Modul level	graduate				
	Courses			V (4) + R (2) Module taught in: German or English									
	Method	d of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
	other p	rerequis	sites	Approval from examination committee required.									

11-AST-Int-201-	Theoretical Astrophysics													
mo1	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S		V (2) + R (2) Module taught in: English										
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										
11-TEP-Int-201-m01	Theore	Theoretical Elementary Particle Physics												
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S			V (4) + R (2) Module taught in: English									
	Method	1 OI 055	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										
11-TFK-Int-201-m01	Theoretical Solid State Physics													
	ECTS	8	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses			V (4) + R (2) Module taught in: English										
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										

11-TFK2-Int-201-	Theoretical	Theoretical Solid State Physics 2												
mo1	ECTS 8	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate								
	Courses	·	V (4) + R (2) Module taught in: English											
	Method of a	assessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester											
11-AST-161-m01	Theoretical	Theoretical Astrophysics												
	ECTS 6	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate								
	Courses		V (2) + R (2) Module taught in: German or English											
	method of a	assessment												
11-TEP-161-m01	Theoretical Elementary Particle Physics													
	ECTS 8	Duratio		Method of grading numerical grade	Modul level	graduate								
	Courses		V (4) + R (2) Module taught in: German or English											
	Method of a	assessment	b) oral examination of c) oral examination in d) project report (appr e) presentation/talk (a If a written examination form of an oral examination the lecturer must infor Language of assessment		be changed and ass n in groups. If the m iginal examination	ethod of assessment is changed, date at the latest.								

11-TFK-161-m01	Theoretical Solid State Physics												
	ECTS	8	Duration)	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	5		V (4) +			•						
					le taught in: Germ								
	Method	l of asse				approx. 90 to 120 minutes) or							
				b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
				d) pro	ject report (approx	k. 8 to 10 pages) or							
						prox. 30 minutes). was chosen as method of assessment, this may be	changed and ass	secoment may incread take the					
						tion of one candidate each or an oral examination in							
				the le	cturer must inform	students about this by four weeks prior to the origin							
						t: German and/or English the semester in which the course is offered and in th	o subsequent se	omastar					
11-TFK2-161-m01	Theoret	tical Sal	lid State F			the semester in which the course is offered and in the	<u>subsequent se</u>	eniestei					
11-1FK2-101-11101		8	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		·			Method of grading humerical grade	Modul level	graduate					
	Courses	5		V (4) + R (2) Module taught in: German or English									
	Method	of asse		a) written examination (approx. 90 to 120 minutes) or									
				b) oral examination of one candidate each (approx. 30 minutes) or									
				c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or									
				e) presentation/talk (approx. 30 minutes).									
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English									
				Assessment offered: In the semester in which the course is offered and in the subsequent semester									
11-RTT-Int-201-m01	Theory	of Relat	tivity										
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	S		V (3) + R (1)									
				Module taught in: English									
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or									
				b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or									
				d) project report (approx. 8 to 10 pages) or									
						prox. 30 minutes).							
						was chosen as method of assessment, this may be tion of one candidate each or an oral examination in							
						students about this by four weeks prior to the origin							
				Langu	iage of assessmen	t: English							
				Asses	sment offered: In t	the semester in which the course is offered and in th	ie subsequent se	emester					

11-TEFK-Int-201-	Topolog	Topological Effects in Solid State Physics													
mo1	ECTS	8	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses	S		V (4) + R (2) Module taught in: English											
	Method	d of asse		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester											
11-TEFK-201-m01	Topological Effects in Solid State Physics														
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses			V (4) + R (1) Module taught in: German or English											
	Method	d of asse		b) ora c) ora d) pro e) pre If a wr form of the le- Langu	l examination of one l examination in gro ject report (approx. sentation/talk (app itten examination w of an oral examinatio cturer must inform s lage of assessment:	8 to 10 pages) or rox. 30 minutes). vas chosen as methodon of one candidate outlines by German and/or Engl	prox. 30 minutes) or prox. 30 minutes per candidate) d of assessment, this may be cleach or an oral examination in gy four weeks prior to the origina	nanged and ass groups. If the mo al examination o	ethod of assessment is changed, date at the latest.						