

Annex SFB

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

Responsible: Faculty of Physics and Astronomy

Examination regulations version: 2020

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

= lecture

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

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

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

= list of modules

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

Conventions for the modules in this SFB:

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not 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:

ASP02015

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

14-Nov-2019 (2019-58)

09-Jun-2021 (2021-65)

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	o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y							
	Method of as	ssessme	ent								
	Only after su completion o		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 in	n LPO I	if applica	ble (examination re	egulations for teachin	g-degree programmes)					

Compulsory Electiv	Compulsory Electives (60 ECTS credits)											
Subfield Nanostruc	ture Tec	hnology	(55 ECT:	S credi	ts)							
Advanced Laborato	ry Cours	se (9 ECT	S credits	5)								
11-P-FM1-161-m01		ed Labo			urse Master Part 1							
	ECTS	3	Duratio		1 semester	Method of grading	(not) successfully co	mpleted	Modul level	graduate		
	Method of assessment			P (3)								
				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								
		rerequis		<u> </u>	ration and safety bri	efing.						
11-P-FM2-161-m01		ed Labo			laster Part 2							
	ECTS	3	Duratio		1 semester	Method of grading	(not) successfully co	mpleted	Modul level	graduate		
	Course			P (3)								
	Method of assessment			Stude an exp perim modu	periment to be consi ents to be considere le description.	dered to have succes	ssfully completed thi ly completed this mo	s experim	ent. Students n	e form of a scientific publication) nust successfully complete two ex- ns are laid down in the respective		
	other p	rerequis	ites	Preparation and safety briefing.								
11-P-FM3-161-m01	Advanc	ed Labo	ratory Co	ourse N	laster Part 3							
	ECTS	3	Duratio		1 semester	Method of grading	(not) successfully co	mpleted	Modul level	graduate		
	Course			P (3)								
	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: German and/or English								
	other p	rerequis	ites	Prepa	ration and safety bri	efing.						

11-P-FM4-161-m01	Advand	ced Lab	oratory Co	ourse N	Master Part 4			,			
	ECTS	3	Duratio	า	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Course	:S	,	P (3)	•	•		•			
	Metho	d of ass	essment	practi	cal examination						
				an ex perim	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.						
				Langu	lage of assessment	: German and/or Eng	lish				
	· ·	rerequi		Prepa	ration and safety b	riefing.					
Advanced Seminar	(5 ECTS	credits)								
11-OSN-A-161-mo1	Advand	ced Sem	ninar Nand	struct	ure Technology A						
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	!S		S (2) Modu	le taught in: Germa	n or English					
	Metho	d of ass	essment		talk with discussion (30 to 45 minutes) Language of assessment: German and/or English						
11-OSN-B-161-mo1	Advand	Advanced Seminar Nanostructure Technology B									
	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (2) Modu	le taught in: Germa	n or English		,			
	Metho	d of ass	essment	talk with discussion (30 to 45 minutes) Language of assessment: German and/or English							
Focus Nanostructu	re Techr	nology									
11-HNS-161-mo1	Optica	l Proper	ties of Se	micon	ductor Nanostructu	ires					
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	!S		V (3) + R (1) Module taught in: German or English							
	Method	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-HPH-201-m01	Semiconductor Physics										
	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		V (3)								
				le taught in: Gern							
	Method of a	ssessment	a) wri	tten 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) pro	ject report (appro	ox. 8 to 10 pages) or						
			e) pre	sentation/talk (a	pprox. 30 minutes).						
					n was chosen as method of assessment, this may ation of one candidate each or an oral examinatio						
					m students about this by four weeks prior to the o						
			Langu	uage of assessme	nt: German and/or English						
			Asses	ssment offered: In	the semester in which the course is offered and i	n the subsequent se	emester				
11-QTR-201-m01	Quantum Tr			1							
	ECTS 6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		Modu (3)	+ R (1) lle taught in: Gern	nan or English						
	Method of a	ssessment	a) wri	tten 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 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-161-mo1	Nano-Optics	5									
	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		V (3)								
			Module taught in: German or English								
	Method of a	ssessment			(approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or						
					one candidate each (approx. 30 minutes) of groups (groups of 2, approx. 30 minutes per candi	idate) or					
			d) pro	ject report (appro	ox. 8 to 10 pages) or	idute) oi					
					pprox. 30 minutes)						
					n was chosen as method of assessment, this may						
			form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is the lecturer must inform students about this by four weeks prior to the original examination date at the latest.								
	Language of assessment: German and/or English										
					the semester in which the course is offered and i	n the subsequent se	emester				

11-SPI-161-m01	Spintronics										
	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		V (3) -		·						
				Module taught in: German or English							
	Method of a	ssessment			(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) pro	ject report (appro	x. 8 to 10 pages) or	,					
			e) pre	sentation/talk (ap	pprox. 30 minutes).						
			form	ntten examination of an oral examina	was chosen as method of assessment, this may tion of one candidate each or an oral examination	be changed and as: n in groups. If the m	sessment may instead take the lethod of assessment is changed.				
			the le	cturer must inform	students about this by four weeks prior to the or						
					nt: German and/or English						
DC)/ (Assessment offered: In the semester in which the course is offered and in the subsequent semester Image and Signal Processing in Physics										
11-BSV-161-m01				· ·							
	ECTS 6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		Mòdu	+ Ü (2) lle taught in: Germ	_						
	Method of a	ssessment			(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	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.							
			Langu	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 A			5							
	ECTS 6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		V (3) -		F 18.1						
	Marthard of a			le taught in: Germ							
	Method of a	ssessment	a) wri	tten examination ((approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or						
			c) ora	l examination in g	roups (groups of 2, approx. 30 minutes per candid	date) or					
			d) pro	ject report (appro	x. 8 to 10 pages) or	•					
					prox. 30 minutes).	ha changad and acc	sassment 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								
			Asses	sment offered: In	the semester in which the course is offered and ir	tne subsequent se	emester				

11-0HL-161-m01	Organi	c Semi	conductor	5							
	ECTS	6	Duration	1 semes	ter	Method of grading numerical grad	de	Modul level	graduate		
	Course	S	,	V (3) + R (1) Module taught	in: Germa	ın 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 ta form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is of 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										
08-FU-SAM-161- m01	Sensor	and Ad	ctor Mater	ials - Functiona	Ceramics	and Magnetic Particles					
	ECTS	5	Duration	1 semes	ter	Method of grading numerical grad	de	Modul level	graduate		
	Course	:S		V (2) + P (2)							
	Metrio	a or ass	sessment	b) oral examinac) oral examinaLanguage of as	ation of or ation in gr ssessment fered: One	approx. 90 minutes) or ne candidate each (approx. 20 minute oups (groups of 2, approx. 30 minute :: German and/or English ce a year, summer semester	e each (approx. 20 minutes) or s of 2, approx. 30 minutes per candidate) ad/or English				
08-PCM4-161-m01	Ultrafast spectroscopy and quantum-control										
	ECTS	5	Duration	1 semes	ter	Method of grading numerical grad	de	Modul level	graduate		
	Course	·S		S (2) + Ü (1) Module taught	in: Germa	ın or English					
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English							
	other p	rerequ	isites	Prior completion	n of mod	ules 08-PCM1a and 08-PCM1b recom	mended.				
08-FU-EEW-152-	Electro	chemic	al Energy	Storage and Co	nversion						
mo1	ECTS	5	Duration	1 semes	ter	Method of grading numerical grad	de	Modul level	undergraduate		
	Course	S		V (2) + P (1) + E	(1)	·		•			
	Method	d of ass	sessment	prox. 5 to 10 pa	iges each sessmen	rtestate/Nachtestate (pre and post-e) and assessment of practical assigni :: German and/or English ce a year, summer semester					

o8-FU-MW-161-	Structure and Properties of Modern Materials: Experiments vs. Simulations											
mo1	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		V (2) + S (1)									
	Method of asse	essment	a) talk (approx. 30 mir									
				one candidate each (app								
				groups (groups of 2, app								
			Language of assessment: German and/or English Assessment offered: Once a year, winter semester									
11-EXN5-161-m01	Current Topics in Nanostructure Technology											
3	ECTS 5	Duration		Method of grading	numerical grade	Modul level	graduate					
	Courses	ı	V (2) + R (2)	1 0 01	<u> </u>		10					
	Method of asse	essment		approx. 90 to 120 minute	s) or oral examination of one	e candidate each ((approx. 30 minutes) or oral ex-					
			amination in groups (g	groups of 2, approx. 30 m			ox. 8 to 10 pages) or presentati-					
			on/talk (approx. 30 m									
							sessment may instead take the ethod of assessment is changed,					
					four weeks prior to the origi							
				ent: German and/or Engli		mat examination	aute at the latest.					
	other prerequis	sites	Approval from examin	ation committee required								
11-EXN6-161-m01	Current Topics	in Nanos	tructure Technology	· · · · · · · · · · · · · · · · · · ·								
	ECTS 6	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		V (3) + R (1)			'	•					
	Method of asse	essment					(approx. 30 minutes) or oral ex-					
			amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).									
			on/talk (approx. 30 m	inutes). In was chosen as method	of accessment this may he	changed and ass	sessment may instead take the					
							ethod of assessment is changed,					
			the lecturer must infor	m students about this by	four weeks prior to the original							
			Language of assessme	ent: German and/or Engli	sh							
	other prerequis	sites	Approval from examin	ation committee required								
11-EXN7-161-m01	Current Topics	in Nanos	tructure Technology									
	ECTS 7	Duration		Method of grading	numerical grade	Modul level	graduate					
	Courses		V (3) + R (1)									
	Method of asse	essment					(approx. 30 minutes) or oral ex-					
					inutes per candidate) or pro	oject report (appro	ox. 8 to 10 pages) or presentati-					
			on/talk (approx. 30 m		of accomment this may be	changed and acc	sessment may instead take the					
							ethod of assessment is changed,					
			the lecturer must infor	m students about this by	four weeks prior to the origin	inal examination	date at the latest.					
				ent: German and/or Engli								
	other prerequis	sites	Approval from examin	ation committee required								
Master's with 1 major Na	nostructure Technology	y (2020)			JMU Würzburg • generated 19-Apr-	-2025 • exam. reg. data r	ecord 88 224 - - H 2020 page 8 / 23					

11-EXN8-161-mo1	Current Topics in Nanostructure Technology											
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (4)	+ R (2)	·						
	method of assessment			amina on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites		oproval from examination committee required.							
11-EXN6A-161-m01	Current Topics in Nanostructure Technology											
	ECTS	6	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (3)	+ R (1)		,					
				amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p			Approval from examination committee required.								
11-CSFM-161-m01			ics in Soli	d Stat	e Physics							
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses Method of assessment			a) wri b) ora c) ora d) pro e) pro If a w form the le	al examination of only examination in good of the contraction of the contraction of the contraction of an oral examination or an oral examination of an oral examination of an oral examination or an oral exa	(approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or groups (groups of 2, approx. 30 minutes per call x. 8 to 10 pages) or opprox. 30 minutes) a was chosen as method of assessment, this mation of one candidate each or an oral examination students about this by four weeks prior to the one: German and/or English	nay be changed and assation in groups. If the m	ethod of assessment is changed,				
	other p	rerequi	sites	Appro	oval from examina	tion committee required.						

11-CSNM-161-mo1	Advanced Topics in Nanostructure Technology											
	ECTS 6	Duratio	n	1 semester	Method of gradin	g numerical grade	Modul level	graduate				
	Courses		V (3) -	+ R (1)		<u>.</u>	•	·				
	Method of ass	sessment	writte	n examination (ap	prox. 90 to 120 minu	ıtes) or oral examinatior	n of one candidate eac	n (approx. 30 minutes) or oral ex-				
				amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentati-								
				lk (approx. 30 min		and of assessment this	may be changed and a	ssessment 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 le	cturer must inform	students about this	by four weeks prior to t						
					it: German and/or Er	<u> </u>						
	other prerequ			val from examina	tion committee requi	red.						
11-CSPM-161-mo1	Advanced Top			1								
	ECTS 6	Duratio		1 semester	Method of gradin	g numerical grade	Modul level	graduate				
	Courses		V (3) -									
	Method of ass	sessment		written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral ex-								
				amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).								
				If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the								
				form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,								
				the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other prerequi	icitos										
11-FK2-201-m01	Solid State Ph		Approval from examination committee required.									
11-1 K2-201-11101	ECTS 8	Duration		1 semester	Method of gradin	g numerical grade	Modul level	graduate				
	Courses	Duration	V (4) -		Method of grauni	g Humencat grade	Modulitevel	graduate				
	Courses			le taught in: Germ	an or English							
	Method of ass	sessment			approx. 90 to 120 m	inutes) or						
			b) ora	l examination of c	ne candidate each (approx. 30 minutes) or						
						pprox. 30 minutes per o	candidate) or					
					x. 8 to 10 pages) or prox. 30 minutes).							
			If a wi	ritten examination	was chosen as meth	nod of assessment, this	may be changed and a	ssessment 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.									
							the original examinatio	n 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 prerequi	isites			tion committee requi		and in the subsequent	Semester				
	1 - 1 p. 0. 0 qu		1				-					

11-FKS-161-m01	Solid State Spectrocopy											
	ECTS	6	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	:S			+ R (1)							
				Module taught in: German or English								
	Method	d of ass	sessment	a) wr	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) pro	d) project report (approx. 8 to 10 pages) or							
				e) pro	esentation/talk (a vritten examination	pprox. 30 minutes) 1 was chosen as method of assessment, this may	he changed and as	sessment may instead take the				
						ation of one candidate each or an oral examinatio						
						m students about this by four weeks prior to the o	riginal examination	date at the latest.				
						nt: German and/or English the semester in which the course is offered and i	in the subsequent so	amester				
11-TEFK-201-m01	Topolo	gical E	ffects in S		ate Physics	the semester in which the course is offered and i	in the subsequent so					
11 1211 201 11101	ECTS	8	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course		Baration		+ R (1)	method of grading namehod grade	moduliteret	S.aaaace				
		-			ıle taught in: Gern	nan or English						
	Method	d of ass	sessment	a) wr	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) pro	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							
				Lang								
11-FFK-201-m01			n Solid Sta		ysics							
	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	d of ass	sessment			(approx. 90 to 120 minutes) or						
						one candidate each (approx. 30 minutes) or	:					
						groups (groups of 2, approx. 30 minutes per candi ox. 8 to 10 pages) or	idate) or					
						pprox. 30 minutes).						
						n was chosen as method of assessment, this may						
				form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is che lecturer must inform students about this by four weeks prior to the original examination date at the latest.								
						nt: German and/or English	ingiliai examination	date at the latest.				
						the semester in which the course is offered and i	in the subsequent se	emester				

11-AKTF-201-m01	Selected Topics of Theoretical Solid State Physics											
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	;			+ R (1)							
					le taught in: Germa	- · · · · · · · · · · · · · · · · · · ·						
	Method	of ass	essment	a) wri	tten 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) pre	e) presentation/talk (approx. 30 minutes).							
						was chosen as method of assessment, this may be tion of one candidate each or an oral examination						
						students about this by four weeks prior to the ori						
						t: German and/or English						
				Asses	Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-MAG-161-m01	Magneti		1		ì		1					
		6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	5			+ R (1) lle taught in: Germa	an or 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								
				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) 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			hanics II									
	ECTS	8	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	;			+ R (2)							
	20 (1)			Module taught in: German or English								
	Method	of ass				approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or						
						roups (groups of 2, approx. 30 minutes) or	date) or					
				d) pro	ject report (approx	k. 8 to 10 pages) or	,					
					sentation/talk (ap							
				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 and assessment may instead take the								
				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								
				Asses	ssment offered: In t	the semester in which the course is offered and in	the subsequent se	emester				

11-TFK-161-m01	Theoretical Solid State Physics										
	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 a	ssessment		(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 (appro	d) project report (approx. 8 to 10 pages) or							
			e) presentation/talk (a								
				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							
			Language of assessme	nt: German and/or English							
	Assessment offered: In the semester in which the course is offered and in the subsequent semester										
11-PTS-201-m01			eory of Superconductivi	<u> </u>							
	ECTS 6	Duration		Method of grading numerical grade	Modul level	graduate					
	Courses		V (3) + R (1) Module taught in: Gern	nan or English							
	Method of a	ssessment		(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-QIC-201-m01		neory of Qua	entum Computing and Q	uantum Information							
	ECTS 6	Duration		Method of grading numerical grade	Modul level	graduate					
	Courses		V (3) + R (1)								
			Module taught in: Gern								
	Method of a	ssessment	a) written examination	(approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or							
			c) oral examination in s	groups (groups of 2, approx. 30 minutes) of	ate) or						
			d) project report (appro	ox. 8 to 10 pages) or							
			e) presentation/talk (a								
				n was chosen as method of assessment, this may bation of one candidate each or an oral examination							
			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 se	emester					

11-MRI-171-m01	Advanc	ed Mag	netic Res	onance	e Imaging			,			
	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	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							
11-SSC-172-m01	Surface										
	ECTS 6 Duration				1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (3) + R (1) Module taught in: English							
	Method	Method of assessment			l examination of of cexamination in got examination in got examination/talk (aptice examination) fan oral examination age of assessmei	x. 8 to 10 pages) or oprox. 30 minutes) was chosen as method tion of one candidate on students about this by the German and/or Engli	orox. 30 minutes) or	changed and ass groups. If the m nal examination			
11-FPA-161-m01	Visiting		1								
	ECTS 10 Duration				Method of grading	numerical grade	Modul level	graduate			
	Courses			R (o)							
	Method of assessment			project report (10 to 20 pages) Language of assessment: German and/or English							
	other p	rerequi	sites	Appro	val from examina	tion committee required	d.				

11-EXP5-161-m01	Current	t Topics	in Physil	<	,				-			
	ECTS	5	Duratio	n	1 semester	Method of grading numerical g	grade	Modul level	graduate			
	Course	S		V (2)	+ R (2)							
	Method	d of ass	essment	amina on/ta If a w form of the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites	Appro	oval from examina	tion committee required.						
11-EXP6-161-mo1	Current Topics in Physik											
	ECTS	6	Duratio	n	1 semester	Method of grading numerical §	grade	Modul level	graduate			
	Course	S		V (3) ·	+ R (1)			•				
			essment	b) ora c) ora d) pro e) pre If a w form the le Langu	sessment may instead take the ethod of assessment is changed, date at the latest.							
EVD C	other p			Approval from examination committee required.								
11-EXP7-161-m01	ECTS Course	7 S	Duration essment	V (3) writte amina on/ta	en examination (apation in groups (gr ation in groups (gr lk (approx. 30 mir ritten examination	was chosen as method of assessn	amination of one c candidate) or proje nent, this may be c	ect report (appro hanged and ass	sessment may instead take the			
	other p	rerequi	sites	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 Approval from examination committee required.								

11-EXP8-161-m01	Current Topics in Physik											
	ECTS 8	Duration	n 1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (4) + R (2)	·								
	Method of	assessment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
			Language of assessi	form students about this by four weeks prior to ment: German and/or English	the original examination	date at the latest.						
	other prere		<u> </u>	ination committee required.								
11-EXP6A-161-m01		pics in Physik										
	ECTS 6	Duration		Method of grading numerical grade	Modul level	graduate						
	Courses		V (3) + R (1)									
			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English									
	other prere	•	Approval from examination committee required.									
11-SPT-211-m01		robe Technologies										
	ECTS 6	Duration		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-EIM-211-m01	Electro	n and Io	n Micros	сору									
	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	d of ass		b) ora c) ora d) pro e) pre If a wr	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								
				the le									
Subfield Non-techr	nical Min												
10-M-VAN-152-m01	Advanc	ed Ana	lysis										
	ECTS	7	Duration	ì	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	S		V (4) +	+ Ü (2)								
	Method of assessment			b) ora c) ora Langu	a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) canguage of assessment: German and/or English creditable for bonus								
10-M=V-	Discret	e Math	ematics										
DIM-161-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses			V (3) + Ü (1) Module taught in: German and/or English									
	Method of assessment			a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus									

10-l=PA-161-m01	Analysis and Design of Programs											
	ECTS	5	Duration	1	1 semester	Method of grading r	umerical grade	Modul level	graduate			
	Course	S	,	V (2)	V (2) + Ü (2)							
	Method	d of asso		If ann	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
				Langi								
	Additio	Additional Information			ses available for st ES,GE	udents of the Master's p	rogramme Informatik ((Computer Science, 120	ECTS credits):			
10-I-APR-172-m01	Advanc	ed Prog	gramming		li .							
	ECTS 5 Duratio			1	1 semester	Method of grading r	umerical grade	Modul level	undergraduate			
	Course	S		V (2)	+ Ü (2)			•	-			
	Method of assessment			If ann of one date) Langu	vritten examination (approx. 60 to 120 minutes). f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- late). .anguage of assessment: German and/or English creditable for bonus							
	Referred to in LPO I			§ 22 II Nr. 3 b)								
10-I-BS-191-m01	Operat	ing Sys	tems									
	ECTS	5	Duration	1	1 semester	Method of grading r	umerical grade	Modul level	undergraduate			
	Courses			V (2) + Ü (2) Module taught in: English								
	Method	d of asso		written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus								

10-l=Kl1-161-m01	Artificia	al Inteli	ligence 1				,				
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)	·					
	Method	l of ass	essment	If ann of one date)	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English						
				credit	table for bonus						
	Additio	nal Info	ormation		ses available for stu ,IS,HCI	dents of the Master's programme Informatik (Co	omputer Science, 12	o ECTS credits):			
o2-EReWi-G-161- mo1	Introdu	ction to	o Law for I	Econor	nists						
	ECTS 5 Duration			n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		V (3) ·	+ Ü (2)		•				
	Method of assessment			writte Asses	written examination (approx. 120 minutes) Assessment offered: Usually once a year, winter semester						
	Participants and allocation of places			dents will b numb applic sessn	There are no restrictions with regard to available places for students of Rechtswissenschaft (Law) as well as Bachelor's students with the minor Privatrecht (Private Law). A total of 20 places will be allocated to students of other subjects. 10 of these will be allocated to students of the Master's degree programme Economics. Should the number of available places exceed to number of applications, the remaining places may be allocated to students of other subjects. Should there be more than 10 applications, the remaining places will be allocated as follows: Students applying after not having successfully completed as sessment in past years will be given preferential consideration. The remaining places will be allocated by lot. A waiting list we maintained and places re-allocated by lot as they become available.						
02-N-P-W06-182-	Trade N	∕lark La	w								
mo1	ECTS	3	Duration	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	s		V (2)							
	Method of assessment			b) ora	a) written examination (approx. 120 minutes) or b) oral examination (approx. 15 minutes) Assessment offered: Usually once a year, summer semester						
	Particip cation (schaf with t more not h	max. 10 places. There are no restrictions with regard to available places for students of the degree programme Rechtswissen-schaft (Law) pursuing the degree Erste Juristische Staatsprüfung (first state examination in law) as well as Bachelor's students with the minor Privatrecht (Private Law). A total of 10 places will be allocated to students of other subjects. Should there be more than 10 applications from students of other subjects, these places will be allocated as follows: Students applying after not having successfully completed assessment in the past two semesters will be given preferential consideration. The remaining places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.						

02-N-P-W07-182-	Copyri	Copyright Law											
mo1	ECTS	2	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	!S		V (1)	(1)								
	Method	d of ass	essment		a) written examination (approx. 120 minutes) or								
					b) oral examination (approx. 15 minutes)								
	Particip	nantc a	nd allo		Assessment offered: Usually once a year, summer semester max. 10 places. There are no restrictions with regard to available places for students of the degree programme Rechtswissen-								
		of place		schaf with t more not h	nax. 10 places. There are no restrictions with regard to available places for students of the degree programme Rechtswissenschaft (Law) pursuing the degree Erste Juristische Staatsprüfung (first state examination in law) as well as Bachelor's students with the minor Privatrecht (Private Law). A total of 10 places will be allocated to students of other subjects. Should there be more than 10 applications from students of other subjects, these places will be allocated as follows: Students applying after not having successfully completed assessment in the past two semesters will be given preferential consideration. The remaining places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.								
02-G&Hre-G-161-	Comme	ercial a	nd Busine	ss Lav	for Economists								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	<u>.</u> S		V (3)	+ Ü (2)			·					
	Method	d of ass	essment		written examination (approx. 120 minutes) Assessment offered: Usually once a year, summer semester								
	cation	of place	nd allo- es	dents will b numb appli sessr	There are no restrictions with regard to available places for students of Rechtswissenschaft (Law) as well as Bachelor's students with the minor Privatrecht (Private Law). A total of 20 places will be allocated to students of other subjects. 10 of the will be allocated to students of the Master's degree programme Economics. Should the number of available places exceed number of applications, the remaining places may be allocated to students of other subjects. Should there be more than applications, the remaining places will be allocated as follows: Students applying after not having successfully completed sessment in past years will be given preferential consideration. The remaining places will be allocated by lot. A waiting lis be maintained and places re-allocated by lot as they become available.								
11-AP-152-m01	Astrophysics												
	ECTS	6	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	!S			V (2) + R (2) Module taught in: German or English								
	Method	d of ass	essment	b) ora c) ora d) pro e) pro If a w form the le Lange	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	Referre	ed to in	LPO I	§ 22 l	Nr. 1 h) Nr. 2 f) Nr. 3 f)								

11-ASM-161-m01	Methods of Observational Astronomy												
	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	l of ass	essment	a) wri b) ora c) ora	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-ASP-161-m01			Space Pl	hysics									
	ECTS 6 Duratio			1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S			V (3) + R (1) Module taught in: German or English								
	Method	l of ass	essment	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 c) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages) or c) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead to come of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester								
11-EXZ5-161-m01	Additional Qualifications												
		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course			V (2) ·			,						
				written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English									
	other p	rerequi	sites	Appro	val from examinat	ion committee required.							

11-EXZ6-161-mo1	Additio	Additional Qualifications											
	ECTS	6	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (3)	(3) + R(1)								
	Method	l of asso	essment	amin	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
				If a w form the le Lange									
	other p				oval from examinat	ion committee required	•						
11-EXNT6-161-mo1	Non-technical Minor Subject												
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (3)	+ R (1)								
				on/ta If a w form the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	val from examinat	ion committee required							
Thesis (60 ECTS cr	edits)												
11-FS-N-161-m01	Professional Specialization Nanostructure Technology												
	ECTS	15	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	S		S (4) Module taught in: German or English									
	Method	l of ass	essment	talk with discussion (30 to 45 minutes) Language of assessment: German and/or English									
11-MP-N-161-m01	Scienti	fic Metl	hods and	Project Management Nanostructure Technology									
	ECTS 15 Duratio				Method of grading	(not) successfully completed	Modul level	graduate					
	Course	S		R (4) Module taught in: German or English									
	Method	l of ass	essment	talk with discussion (30 to 45 minutes) Language of assessment: German and/or English									

11-MA-N-161-mo1	Master	Thesis	Nanostru	cture T	echnology						
	ECTS	30	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		No co	No courses assigned to module						
	Method	d of asse			Master's thesis (750 to 900 hours total)						
				Language of assessment: German and/or English							
	Additio	nal Info	rmation	Time t	o complete: 6 montl	hs.					