

## **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: 2011

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

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cremodules in this SFB: ditable for bonus.

Information on assessment procedures:

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

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

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

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

#### ASP02009

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

29-Jun-2011 (2011-48) except for mandatory electives added in Fast Track procedure at a later time 02-Sep-2014 (2014-50) except for mandatory electives added in Fast Track procedure at a later time 17-Dec-2014 (2014-86)

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 sp	ecified in the form )	( (y) with course type )	abbreviated as specified abo	ve and number of we	ekly contact hours y			
	Method of as	ssessme	ent								
	Only after su completion o		l if applic	able							
	Other prereq	uisites	if applic	if applicable							
	Participants on of places		ocati- if applic	if applicable							
	Additional in	formati	on if applic	if applicable							
	Referred to in	n LPO I	if applic	able (examination r	egulations for teachin	g-degree programmes)					

Compulsory Cours	es (44 EC	TS cred	lits)									
11-FS-N-072-m01	Profess	ional S	pecializa	tion Na	anostructure Techno	ology						
	ECTS	15	Duratio	n	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S	•	S (no	information on SWS	(weekly contact hours) and course language availa	ıble)					
	Method	d of ass	essment	talk (a	approx. 30 to 45 min	utes) with discussion						
11-MP-N-072-m01	Scienti	fic Metl	hods and	Projec	t Management Nano	ostructure Technology						
	ECTS	15	Duratio	n	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S		R (no	information on SWS	(weekly contact hours) and course language availa	ble)					
	Method	of ass	essment	talk (a	approx. 30 to 45 min	utes) with discussion						
11-PFM-111-m01	Advanc	ed Prac	tical Cou	rse Ma	ster		'					
	ECTS	10	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Matha	l of acc	accment	Fortge Fortge	rep seminar for Fortgeschrittenen-Praktikum Master (Advanced Practical Course Master): S (1 weekly contact hour) rtgeschrittenen-Praktikum Master (Advanced Practical Course Master) Part 1: P (3 weekly contact hours), German or English rtgeschrittenen-Praktikum Master (Advanced Practical Course Master) Part 2: P (3 weekly contact hours), German or English rtgeschrittenen-Praktikum Master (Advanced Practical Course Master) Part 3: P (3 weekly contact hours), German or English rtgeschrittenen-Praktikum Master (Advanced Practical Course Master) Part 3: P (3 weekly contact hours), German or English rtgeschrittenen-Praktikum Master (Advanced Practical Course Master) Part 3: P (3 weekly contact hours), German or English rtgeschrittenen-Praktikum Master (Advanced Practical Course Master) Part 2: P (3 weekly contact hours), German or English rtgeschrittenen-Praktikum Master (Advanced Practical Course Master) Part 3: P (3 weekly contact hours), German or English							
				<ol> <li>This module has the following assessment components</li> <li>Prep seminar for Fortgeschrittenen-Praktikum Master (Advanced Practical Course Master): oral examination (apminutes)</li> <li>Lab course in part 1 (Fortgeschrittenen-Praktikum Master/Advanced Practical Course Master Part 1): a) Preparin riment will be considered successfully completed if an oral test (approx. 30 minutes) is passed prior to the exp Performing and evaluating the experiment will be considered successfully completed if a test is passed. Studen pare an experiment log (approx. 8 pages).</li> <li>Lab course in part 2 (Fortgeschrittenen-Praktikum Master/Advanced Practical Course Master Part 2): a) Preparin riment will be considered successfully completed if an oral test (approx. 30 minutes) is passed prior to the exp Performing and evaluating the experiment will be considered successfully completed if a test is passed. Studen pare an experiment log (approx. 8 pages).</li> <li>Lab course in part 3 (Fortgeschrittenen-Praktikum Master/Advanced Practical Course Master Part 3): a) Preparin riment will be considered successfully completed if an oral test (approx. 30 minutes) is passed prior to the exp Performing and evaluating the experiment will be considered successfully completed if a test is passed. Studen pare an experiment log (approx. 8 pages).</li> <li>Language of assessment: German or English Students must register for assessment components 1 through 4 online (details to be announced). Only those students who have attended the prep seminar for Fortgeschrittenen-Praktikum Master (Advanced Prac Master) will be allowed to perform experiments as part of the courses Fortgeschrittenen-Praktikum Master Parts 1 Students will be offered one opportunity to retake element a) and/or element b) in the respective semester. To passessment component, they must pass both elements (a and b) in the same semester.</li> </ol>								

11-OSN-111-m01	Advanc	ed Sem	inar Nand	struct	ure Technology					
	ECTS	4	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	S		S (no	information on SWS	(weekly contact hou	rs) and course language availab	ole)		
	Method	of asse	essment	talk w	alk with discussion (approx. 30 to 45 minutes)					
	Language of assessment: German, English									

## Compulsory Electives (46 ECTS credits)

### Specialization in Nanostructure Technology (40 ECTS credits)

Modules worth a total of 40 ECTS credits must be successfully completed. Of these 40 ECTS credits, no less than 10 must be achieved in one of the two sub-areas "Elektronik und Photonik" ("Electronics and Photonics") and "Energie- und Materialforschung" ("Energy and Materials Research"). No less than 10 ECTS credits must be achieved in the sub-area "Allgemeine Physik" ("General Physics"). The remaining 20 ECTS credits may be achieved in any of the sub areas.

<u> </u>		3										
Electronics and Pho	otonics											
11-FPA-112-m01	Visiting	g Resea	rch Proje	ct								
	ECTS	10	Duratio	า	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	·S		R (no	(no information on SWS (weekly contact hours) and course language available)							
				projec Langu	oject report (approx. 10 to 20 pages) nguage of assessment: German, English							
	other p	rerequi	sites	Appro	Approval by examination committee required.							
	Additio	nal Info	rmation	Additi	onal information on	module duration: 1 to 2 semesters.						
11-EXN6A-112-mo1	Curren	t Topics	in Nanos	tructui	ructure Technology							
	ECTS	6	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	:S	,	V + R	V + R (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			prox. on/se	a) written examination (approx. 120 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Language of assessment: German, English							
	other p	rerequis	sites	Appro	val by examination o	committee required.						

11-HLF-092-m01	Semico	nducto	r Lasers -	Princip	oles and Current F	Research						
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R + V (	(no information o	n SWS (weekly contact	hours) and course language ava	ailable)				
	Method	l of asse		prox. to 10 p Asses nounc 2009.	30 minutes per ca pages, time to cor sment offered: W ed in due form ur	ndidate, for modules was not to a modules was not to 4 weeks) on the nand how often ass	with less than 4 ECTS credits apport of the contraction of the contrac	prox. 20 minute entation (approx s on the metho	d of assessment and will be an-			
	other p	rerequis		on to a the leasessm	etails at the begin assessment. If stu cturer will put the nent in the current	ning of the course. Reg Idents have obtained t Ir registration for asses	gistration for the course will be on the qualification for admission to ssment into effect. Students who	considered a de o assessment c o meet all prere				
11-HNS-092-m01	Semiconductor Nanostructures											
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R + V (	(no information o	n SWS (weekly contact	hours) and course language ava	ailable)				
	Method	l of asse	essment	prox. to 10 p Asses nounce 2009.	30 minutes per ca pages, time to cor sment offered: W ed in due form ur	ndidate, for modules was not to a modules was not to 4 weeks) on the nand how often ass	with less than 4 ECTS credits apport of the contraction of the contrac	prox. 20 minute entation (approx s on the metho	d of assessment and will be an-			
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admiss on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

11-NAN-092-m01	Nanoar	nalytics										
	ECTS	6	Duration	ı	1 semester	Method of grading nu	merical grade	Modul level	graduate			
	Course				<u>`                                    </u>		rs) and course language av					
	Method	d of asse	essment	prox. to 10 Asses nound 2009.	anguage of assessment: German, English							
	other p	rerequis	sites	tive d on to the le sessn	ertain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissing to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, a lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualication for admission to assessment anew.							
11-NOP-092-m01	Nano-Optics											
	ECTS 4 Duratio								graduate			
	Course	S		R + V	R + V (no information on SWS (weekly contact hours) and course language available)							
	Method	d of asse	essment	prox. to 10 Asses nound 2009.	30 minutes per ca pages, time to cor ssment offered: Wl ced in due form ur	ndidate, for modules with nplete: 1 to 4 weeks) or d) nen and how often assessi	less than 4 ECTS credits ap presentation/seminar prese nent will be offered depend	prox. 20 minute entation (approx Is on the metho	oral examination in groups (apes) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be anand examination regulations)			
	other p	rerequis	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the restive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek adm on to assessment. If students have obtained the qualification for admission to assessment over the course of the semes the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

11-SPD-102-m01	Semiconductor Physics and Devices													
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S	,	V + R (	(no information on :	SWS (weekly contact	hours) and course language av	ailable)						
	Method	d of ass	,	30 minges, ti Asses nounc 2009.	nutes per candidate me to complete: 1 t sment offered: Whe ed in due form und	e, for modules with le to 4 weeks) or present en and how often asso er observance of Sec	tation/seminar presentation (a	20 minutes) or pprox. 30 minut ls on the metho	project report (approx. 8 to 10 paes) d of assessment and will be an-					
	other p	rerequi		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.										
11-QTH-102-m01	Quantu	Quantum Transport in Semiconductor Nanostructures												
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S	,	V + R (	(no information on	SWS (weekly contact	hours) and course language av	ailable)						
	Method	d of ass		prox. to 10 p Asses nound 2009.	30 minutes per can pages, time to comp sment offered: Who ed in due form und	didate, for modules wolete: 1 to 4 weeks) of en and how often assi er observance of Sec	vith less than 4 ECTS credits ap r d) presentation/seminar prese	prox. 20 minute entation (approx Is on the metho	d of assessment and will be an-					
	other p	rerequi		tive de on to a the lea sessm	etails at the beginn assessment. If stud cturer will put their	ing of the course. Reg lents have obtained the registration for asses or in the subsequent s	gistration for the course will be a he qualification for admission t ssment into effect. Students who	considered a de to assessment o o meet all prere	form students about the respectaration of will to seek admissiver the course of the semester, quisites will be admitted to asnts will have to obtain the quali-					

11-SPI-102-m01	Spintro	nics	-										
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + R	(no information on	SWS (weekly contact	hours) and course language a	vailable)					
	Method	d of asse		prox. to 10   Asses nound 2009.	30 minutes per ca pages, time to con sment offered: Wh ted in due form un	ndidate, for modules v aplete: 1 to 4 weeks) o aen and how often ass	vith less than 4 ECTS credits apr d) presentation/seminar pres	pprox. 20 minute sentation (appro ds on the metho	d of assessment and will be an-				
	other p	rerequis		tive do on to the le sessm	rtain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respecte details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissite assessment. If students have obtained the qualification for admission to assessment over the course of the semester, be lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualication for admission to assessment anew.								
11-EXN5-111-mo1	Current	t Topics i	n Nanosi	tructui	ructure Technology								
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + R	(no information on	SWS (weekly contact	hours) and course language a	vailable)					
	Method of assessment			specif modu weeks	ied) or b) oral exa les with less than s) or d) presentatio	mination of one candi 4 ECTS credits approx	date each or oral examination	in groups (appro	ox. 90 minutes; unless otherwise ox. 30 minutes per candidate, for 10 pages, time to complete: 1 to 4				
	other p	rerequisi	tes	Appro	val by examinatio	n committee required.							
11-EXN6-111-mo1	Current	t Topics i	n Nanosi	tructui	e Technology								
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + R (no information on SWS (weekly contact hours) and course language available)									
				a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Language of assessment: German, English									
	other prerequisites			Approval by examination committee required.									

11-EXN7-111-mo1	Current	Topics	in Nanos	tructu	re Technology	,					
	ECTS	7	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		V + R	(no information or	n SWS (weekly contact	hours) and course language a	available)			
	Method	of ass	essment	specif modu weeks	fied) or b) oral exa les with less than s) or d) presentatio	mination of one candid 4 ECTS credits approx.	date each or oral examination	in groups (appro	ox. 90 minutes; unless otherwise ox. 30 minutes per candidate, for 10 pages, time to complete: 1 to 4		
	other p	rerequi	sites	Appro	val by examinatio	n committee required.					
11-EXN8-111-mo1		<u> </u>	in Nanos	tructu	re Technology						
	ECTS	8	Duration		1 semester	Method of grading		Modul level	graduate		
	Courses										
	Method	l of ass	essment	specif modu weeks	fied) or b) oral exa les with less than s) or d) presentatio	mination of one candid 4 ECTS credits approx.	date each or oral examination	in groups (appro	ox. 90 minutes; unless otherwise ox. 30 minutes per candidate, for 10 pages, time to complete: 1 to 4		
	other p	rerequi	sites	Approval by examination committee required.							
11-DFT-142-m01	Density	/ Functi	nctional Theory and the Physics of Oxide Heterostructure								
	ECTS	4	Duration	,	1 semester	Method of grading	_	Modul level	graduate		
	Courses	S		V + D	(no information or	n SWS (weekly contact	hours) and course language a	available)			
	Method	l of ass	essment	minut ges, to Asses nound	tes per candidate, ime to complete: a ssment offered: Wl ced in due form ur	for modules with less approx. 1 to 4 weeks) o hen and how often ass	than 4 ECTS credits approx. 20 r d) presentation/seminar pre	o minutes) or c) pesentation (appronds on the metho	od of assessment and will be an-		
Energy Research a	nd Mater	rial Scie	ence								
08-SAM-092-m01	Techno	logy of	Sensor a	and Actor Materials including Smart Fluids							
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		V + P (no information on SWS (weekly contact hours) and course language available)							
	Method	Method of assessment   written examination (90 minutes)									

11-0HL-092-m01	Organi	Semic	onductor									
	ECTS	5	Duration	n	1 semester	Method of grading numeric	al grade	Modul level	graduate			
	Course	S		V + Ü	(no information on S	SWS (weekly contact hours) ar	nd course language av	ailable)				
	Method	l of asse	essment	prox.	30 minutes per cand		han 4 ECTS credits ap	prox. 20 minute	oral examination in groups (apes) or c) project report (approx. 10 minutes)			
	other p	·		to qua cours obtain for as quent ew.	alify for admission to e. Registration for the ned the qualification sessment into effect semester. For asse	o assessment. The lecturer wil be course will be considered a n for admission to assessment t. Students who meet all prere	Il inform students about declaration of will to see tover the course of the equisites will be admitted	at the respective seek admission e semester, the ted to assessment	Certain prerequisites must be met e details at the beginning of the to assessment. If students have lecturer will put their registration ent in the current or in the subsen for admission to assessment an-			
08-EEW-101-m01		chemica	al Energy	Storag	ge and Conversion							
	ECTS	5	Duratio		1 semester	Method of grading numeric		Modul level	graduate			
	Course	5		V + P	Y + P + E (no information on SWS (weekly contact hours) and course language available)							
	Method	l of asse	essment	writte	vritten examination (90 minutes) and lab report (approx. 5 pages)							
11-FPA-112-m01	Visiting	ting Research Project										
	ECTS	10	Duration	1	1 semester	Method of grading numeric	al grade	Modul level	graduate			
	Course	S		R (no	information on SWS	(weekly contact hours) and c	ourse language availa	ble)				
	Method	l of asse	essment		ct report (approx. 10 lage of assessment:							
	other p	rerequi	sites	Appro	val by examination	committee required.						
	Additio	nal Info	rmation	Additi	ional information or	module duration: 1 to 2 seme	esters.					
11-EXN6A-112-mo1	Current	Topics	in Nanos	tructu	re Technology							
	ECTS	6	Duration	1	1 semester	Method of grading numeric	al grade	Modul level	graduate			
	Course	5		V + R	(no information on S	SWS (weekly contact hours) ar	nd course language av	ailable)				
	Method	l of asse	essment	a) written examination (approx. 120 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Language of assessment: German, English								
	other p	ner prerequisites Approval by examination committee required.										

11-ENT-092-m01	Princip	les of Energy Te	chnolo	gies								
	ECTS	6 Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5	R + V	(no information or	SWS (weekly contact h	ours) and course language ava	ailable)					
	Method	l of assessment	prox. to 10 Asses noun 2009	anguage of assessment: German, English								
	other p	rerequisites	tive don to the le	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respecive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, he lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
11-TDO-092-m01	Thermodynamics and Economics											
	ECTS	6 Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5	R + V	R + V (no information on SWS (weekly contact hours) and course language available)								
	Method	l of assessment	prox. to 10 Asses noun 2009	30 minutes per ca pages, time to cor ssment offered: Wl ced in due form ur	ndidate, for modules wi nplete: 1 to 4 weeks) or nen and how often asse	th less than 4 ECTS credits apply by presentation/seminar prese	prox. 20 minute entation (approx s on the metho	d of assessment and will be an-				
	other p	rerequisites	tive don to the le	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

11-NTE-092-m01	Nanote	Nanotechnology in Energy Research												
	ECTS	4 1	Duration	)	1 semester	Method of grading	numerical grade		Modul level	graduate				
	Courses	S		V + R	(no information on	SWS (weekly contac	t hours) and course l	anguage av	ailable)	-				
	Method	d of asses		prox. to 10 Asses	30 minutes per car pages, time to com ssment offered: Wh ced in due form un	ndidate, for modules aplete: 1 to 4 weeks) on the nen and how often as	with less than 4 ECT or d) presentation/se sessment will be offe	S credits appeminar prese ered depend	prox. 20 minut entation (appro Is on the metho	r oral examination in groups (apes) or c) project report (approx. 8 ox. 30 minutes) od of assessment and will be anand examination regulations)				
	other pr	rerequisit		tive d on to the le sessn	tain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respected at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissite assessment. If students have obtained the qualification for admission to assessment over the course of the semester, lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualition for admission to assessment anew.									
11-BVG-092-m01	Coating	Technol	ogies ba	sed o	on Vapour Deposition									
	ECTS	5 I	Duration	1	1 semester	Method of grading	numerical grade		Modul level	graduate				
İ	Courses	S .		V + R	no information on	SWS (weekly contac	t hours) and course l	anguage av	ailable)	·				
	Method	d of asses		prox. to 10 Asses noun 2009	30 minutes per car pages, time to com ssment offered: Wh ced in due form und	ndidate, for modules aplete: 1 to 4 weeks) ( aren and how often as der observance of Se	with less than 4 ECT or d) presentation/se sessment will be offe ction 32 Subsection	S credits ap eminar prese ered depend 3 ASPO (ger	prox. 20 minut entation (appro Is on the metho neral academic	od of assessment and will be an- and examination regulations)				
	other pr	rerequisit		tive d on to the le sessn	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek a on to assessment. If students have obtained the qualification for admission to assessment over the course of the ser the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the fication for admission to assessment anew.									
o8-PCM4-PHY-111-	Ultrafas	st Spectro	oscopy a	and Qu	uantum Control									
mo1	ECTS	5 I	Duration	)	1 semester	Method of grading	numerical grade		Modul level	graduate				
	Courses	S		S + Ü	(no information on	SWS (weekly contac	t hours) and course	language av	ailable)					
	Method	d of asses			written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English									
08-MW-PHY-111-	Structu	re and Pr	operties	s of Modern Materials: Experiments and Simulations										
mo1	ECTS	5 I	Duration	)	1 semester	Method of grading	numerical grade		Modul level	graduate				
	Courses	S		V + S	(no information on	SWS (weekly contac	t hours) and course l	language av	ailable)					
	Method	of asses	sment	talk (a	approx. 45 minutes	<u></u>								

11-EXN5-111-m01	Current To	pics in Nanos	structure Technology							
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	,	V + R (no information of	on SWS (weekly contact	hours) and course language av	vailable)				
	Method of	fassessment	specified) or b) oral ex modules with less tha	camination of one candi n 4 ECTS credits approx tion/seminar presentati	date each or oral examination i	in groups (appro	ox. 90 minutes; unless otherwise ox. 30 minutes per candidate, for 10 pages, time to complete: 1 to 4			
	other prer		<u> </u>	ion committee required.						
11-EXN6-111-mo1	Current To	pics in Nanos	tructure Technology							
	ECTS 6	Duration	1 semester	1 semester Method of grading   numerical grade Modul level   graduate						
	Courses		V + R (no information of	on SWS (weekly contact	hours) and course language av	vailable)				
	Method of	fassessment	specified) or b) oral ex modules with less tha weeks) or d) presentat	written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; u ecified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes perodules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to seks) or d) presentation/seminar presentation (approx. 30 minutes) nguage of assessment: German, English						
	other prer	equisites	Approval by examinati	ion committee required.	•					
11-EXN7-111-mo1	Current To	pics in Nanos	tructure Technology							
	ECTS 7	Duration		Method of grading		Modul level	graduate			
	Courses		V + R (no information of	V + R (no information on SWS (weekly contact hours) and course language available)						
	Method of	fassessment	specified) or b) oral ex modules with less tha	camination of one candi n 4 ECTS credits approx tion/seminar presentati	date each or oral examination i	in groups (appro	ox. 90 minutes; unless otherwise ox. 30 minutes per candidate, for 10 pages, time to complete: 1 to 4			
	other prer	equisites	Approval by examinat	ion committee required.						
11-EXN8-111-mo1	Current To	pics in Nanos	tructure Technology							
	ECTS 8	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V + R (no information of	on SWS (weekly contact	hours) and course language av	vailable)				
	Method of	fassessment	a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Language of assessment: German, English							
	other prer	er prerequisites Approval by examination committee required.								

11-ZDR-111-m01	Principles of	two- and tl	nreedi	nensional Röntge	n imaging							
	ECTS 6	Duratio	n	1 semester	Method of grading numeric	al grade	Modul level	graduate				
	Courses	,	V + R	no information on	SWS (weekly contact hours) a	nd course language av	ailable)					
	Method of as	sessment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.									
	other prerequ	uisites	tive d on to the le sessn	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respecive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, he lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualication for admission to assessment anew.								
11-TDOE-141-mo1	Thermodyna	mics and E	conom	ics			,					
	ECTS 3	Duratio	n	1 semester	Method of grading (not) su	ccessfully completed	Modul level	graduate				
	Courses		V (no	information on SW	/S (weekly contact hours) and c	ourse language availa	ıble)	•				
	Method of as	sessment	prox.	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)								
11-ZMB-112-m01	Methods for	non-destru	ctive C	haracterization of	Materials and Components							
	ECTS 4	Duratio	n	1 semester	Method of grading numeric	al grade	Modul level	undergraduate				
	Courses		V + R	(no information on	SWS (weekly contact hours) a	nd course language av	ailable)					
	Method of as	sessment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 10 pages, time to complete: 1 to 4 weeks) or d) presentation/se minar presentation (approx. 30 minutes)  Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be an nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.									
	other prerequ	uisites	tive d on to the le sessn	etails at the begin assessment. If stu cturer will put thei nent in the current	ning of the course. Registration dents have obtained the qualif r registration for assessment in	for the course will be ication for admission to effect. Students wh	considered a de to assessment c o meet all prere	nform students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-				

11-BSV-122-m01	Image and Signal Processing in Physics												
	ECTS	6	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + R	(no information o	n SWS (weekly contact	hours) and course language av	ailable)					
	Method	d of ass	essment	minut prese Asses	es per candidate) ntation (approx. 3 sment offered: W ced in due form ur	or c) project report (ap o minutes) hen and how often ass		nplete: 1 to 4 we Is on the metho	eeks) or d) presentation/seminar d of assessment and will be an-				
	other p	rerequi		tive do on to the le	etails at the begin assessment. If stu cturer will put the nent in the current	ning of the course. Re idents have obtained t ir registration for asses	gistration for the course will be on the qualification for admission the ssment into effect. Students who	considered a de o assessment o o meet all prere					
11-BMS-121-m01	Imaging Methods at the Synchrotron												
	ECTS	4	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + R	(no information o	n SWS (weekly contact	hours) and course language av	ailable)					
	Method	d of ass		minut prese Asses	es per candidate) ntation (approx. 3 ssment offered: W ced in due form ur	or c) project report (ap o minutes) hen and how often ass	examination of one candidate exprox. 8 to 10 pages, time to consessment will be offered dependation 32 Subsection 3 ASPO (ger	nplete: 1 to 4 we	eeks) or d) presentation/seminar d of assessment and will be an-				
	other p	other prerequisites			etails at the begin assessment. If stu cturer will put the nent in the current	ning of the course. Re idents have obtained t ir registration for asses	gistration for the course will be on the qualification for admission the ssment into effect. Students who	considered a de o assessment o o meet all prere					

11-BMS-131-m01	Imaging Methods at the Synchrotron												
	ECTS	4	Duration	1	1 semester	Me	ethod of grading	numerical g	grade	Modul level	graduate		
	Course	!S		V + R	(no information	on SWS	(weekly contac	t hours) and c	ourse language av	ailable)			
	Method	d of ass	essment	prox. on/se Asses noun 2009	30 minutes per of eminar presentat ssment offered: V ced in due form of	candida tion (app When ar under ol	nte) or c) project prox. 30 minute nd how often as bservance of Se	report (appro s) sessment will	x. 8 to 10 pages, tir be offered depend	ne to complete s on the metho	oral examination in groups (ap: 1 to 4 weeks) or d) presentatidof of assessment and will be anand examination regulations)		
	other p	orerequi	sites	tive don to the le	rtain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- e details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, e lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- ssment in the current or in the subsequent semesters.								
11-BSV-131-m01	Image	and Sig	nal Proce	ssing	g in Physics								
	ECTS	6	Duration	1	1 semester	Me	ethod of grading	numerical g	grade	Modul level	graduate		
	Course	:S		V + R	(no information	on SWS	(weekly contac	t hours) and c	course language av	ailable)	•		
	Method of assessment			prox. on/se Asses noun 2009	30 minutes per of eminar presentat ssment offered: V ced in due form u	candida tion (app When ar under ol	nte) or c) project prox. 30 minute nd how often as bservance of Se	report (appro s) sessment will	x. 8 to 10 pages, tir	ne to complete s on the metho	oral examination in groups (ap- : 1 to 4 weeks) or d) presentati- d of assessment and will be an- and examination regulations)		
	other p	orerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek on to assessment. If students have obtained the qualification for admission to assessment over the course of the se the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted sessment in the current or in the subsequent semesters.						eclaration of will to seek admissi- over the course of the semester,			
11-PMM-132-mo1	Physic	s of Adv	anced Ma	terial	S								
	ECTS	6	Duration	1	1 semester	Me	ethod of grading	numerical g	grade	Modul level	graduate		
	Course	<u>!</u> S		V + R	(no information	on SWS	(weekly contac	t hours) and c	course language av	ailable)			
	Method	d of ass	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.  Language of assessment: German, English									

11-QUI-132-m01	Quantu	m Infor	mation To	echnol	ogy	,							
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	•	V + R	(no information on	SWS (weekly contact	hours) and course language av	ailable)	•				
	Method	l of asse	essment	prox. on/se Asses nound 2009.	30 minutes per can minar presentation sment offered: Who ed in due form und	didate) or c) project of the didate of the d	report (approx. 8 to 10 pages, tin )	me to complete Is on the metho	d of assessment and will be an-				
General Physics													
11-FPA-112-m01	Visiting	Resea	Research Project										
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	•	R (no	R (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	essment		project report (approx. 10 to 20 pages) Language of assessment: German, English								
	other p	rerequis	sites	Appro	val by examination	committee required.							
	Additio	nal Info	rmation	Addit	onal information o	n module duration: 1	to 2 semesters.						
11-EXP6A-112-m01	Current	Topics	of Physic	CS									
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	 S	-	V + R	(no information on	SWS (weekly contact	hours) and course language av	ailable)					
	Method	Nethod of assessment			ied) or b) oral exan les with less than z	nination of one candi ECTS credits approx n/seminar presentati	date each or oral examination in	n groups (appro	ox. 90 minutes; unless otherwise ox. 30 minutes per candidate, for 10 pages, time to complete: 1 to 4				
	other p	r prerequisites Approval by examination committee required.											

11-ASL-092-m01	Applied Superconduction												
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	F	R + V (	(no information on	SWS (weekly contact	hours) and course language av	ailable)					
	Method	d of ass	, ,	prox. : pages Asses	30 minutes per can , time to complete:	didate, for modules w 1 to 4 weeks) or d) pr e a year, winter seme	vith less than 4 ECTS credits ap resentation/seminar presentati	prox. 20 minute	oral examination in groups (apss) or c) project report (approx. 8 minutes)				
	other p	rerequi	t t g	tive de on to a the lee sessm	etails at the beginn assessment. If stuc cturer will put their nent in the current o	ing of the course. Reg lents have obtained tl registration for asses	ristration for the course will be a he qualification for admission t sment into effect. Students who	considered a de to assessment o o meet all prere	form students about the respec- claration of will to seek admissi- ver the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-				
11-EPP-092-m01	Introduction to Plasmaphysics												
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	\	V + R (no information on SWS (weekly contact hours) and course language available)									
	Method	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment an nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regard). Language of assessment: German, English							s) or c) project report (approx. 8 k. 30 minutes) d of assessment and will be an-				
	other p	rerequi	t c t	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

11-FK2-092-m01	Solid State Physics 2												
	ECTS	8	Duration	1	1 semester	Method of gradin	g numerical grade		Modul level	graduate			
	Course	S		R + V	(no information or	SWS (weekly conta	ct hours) and course langua	age ava	ilable)				
	Method	d of asse		prox. to 10   Asses nound 2009.	Language of assessment: German, English								
	other p	rerequis		tive d on to the le sessn	certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualication for admission to assessment anew.								
11-FKS-092-m01	Solid State Spectroscopy												
	ECTS	6	Duration	on 1 semester Method of grading numerical grade Mod						graduate			
	Course	S		R + V	R + V (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse		a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (ap prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be an nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English									
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

11-HLP-092-m01	Semiconductor Physics												
	ECTS	6	Duration	1	1 semester	Method of grad	ing numerical grade	9	Modul level	graduate			
	Course	S		R + V	(no information o	n SWS (weekly cont	act hours) and cours	se language ava	ailable)				
	Method	d of asse		prox. to 10   Asses nound 2009.	30 minutes per ca pages, time to cor ssment offered: W ced in due form ur	ndidate, for modul nplete: 1 to 4 week nen and how often	es with less than 4 E s) or d) presentation assessment will be o Section 32 Subsection	CTS credits app /seminar prese offered depend	prox. 20 minute entation (approx s on the metho	oral examination in groups (apes) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be anand examination regulations)			
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the re tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admon to assessment. If students have obtained the qualification for admission to assessment over the course of the semesthe lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the fication for admission to assessment anew.									
11-MAG-092-m01	Magnetism												
	ECTS	6	Duration							graduate			
	Course	S		R + V	R + V (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse		prox. to 10   Asses nound 2009.	30 minutes per ca pages, time to cor ssment offered: W ced in due form ur	ndidate, for modul nplete: 1 to 4 week nen and how often	es with less than 4 Es) or d) presentation assessment will be c Section 32 Subsection	CTS credits app /seminar prese offered depend	prox. 20 minute entation (approx s on the metho	oral examination in groups (apes) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be anand examination regulations)			
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

11-NDS-092-m01	Low-Dimensional Structures												
	ECTS	4	Duration	)	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		R + V (	(no information on	SWS (weekly contact	hours) and course language ava	ailable)					
	Method	d of asse		prox. to 10 p Asses nounc 2009.	30 minutes per car pages, time to com sment offered: Wh ced in due form un	ndidate, for modules v nplete: 1 to 4 weeks) o nen and how often ass	with less than 4 ECTS credits appropriate appropriate (appropriate appropriate	prox. 20 minute entation (approx Is on the metho	d of assessment and will be an-				
	other p	rerequis		tive de on to a the lea sessm	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respecive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, he lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualication for admission to assessment anew.								
11-QM2-092-m01	Quantum Mechanics II												
	ECTS	8	Duration	1	1 semester	Method of grading	Modul level	undergraduate					
	Course	S		R + V (	(no information on	SWS (weekly contact	hours) and course language ava	ailable)					
	Method	d of asse	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in gr prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and v nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regu 2009.  Language of assessment: German, English									
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

11-QPM-092-m01	Quantu	m Phen	omena in	electr	onic correlated M	aterials							
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		R + V (	(no information or	1 SWS (weekly contact	hours) and course language ava	ailable)					
	Method	d of asso		prox. to 10 p Asses nounc 2009.	30 minutes per ca pages, time to con sment offered: Wh ced in due form un	indidate, for modules v nplete: 1 to 4 weeks) o hen and how often ass	with less than 4 ECTS credits apport of the contraction of the contrac	prox. 20 minute entation (approx Is on the metho	d of assessment and will be an-				
	other p	rerequi		on to a the leasessm	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
11-QVTP-092-m01	Many Body Quantum Theory  TCTC   Quantum Theory   Mathed of grading lawyerical grade   Madulland   Graduate												
	ECTS	8	Duration	1	1 semester	Method of grading	Modul level	graduate					
	Course	S		R + V (	+ V (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asso		prox. to 10 p	oral examination in groups (apes) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be anand examination regulations)								
	other p	rerequi		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

11-RMS-092-m01	Relativistic Effects in Mesoscopic Systems												
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		R + V (	(no information o	n SWS (weekly contact	hours) and course language ava	ailable)					
	Method	d of ass		prox. to 10 p Asses nounc 2009.	30 minutes per ca pages, time to cor ssment offered: W ced in due form ur	andidate, for modules w mplete: 1 to 4 weeks) or hen and how often ass	with less than 4 ECTS credits appropriate appropriate (appropriate appropriate	prox. 20 minute entation (approx s on the metho	d of assessment and will be an-				
	other p	rerequi		on to a the leasessm	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
11-TFK-092-m01	Theoretical Solid State Physics												
	ECTS	8	Duration	ı	1 semester	Method of grading	Modul level	graduate					
	Course	S		R + V (	R + V (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	essment	prox. to 10 p Asses	oral examination in groups (aps) or c) project report (approx. 8 x. 30 minutes) d of assessment and will be anand examination regulations)								
	other p	rerequi		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

11-TSL-092-m01	Theory of Superconduction												
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		R + V	(no information o	n SWS (weekly contact	hours) and course language ava	ailable)					
	Method	l of asse		prox. to 10 p Asses nound 2009.	30 minutes per ca pages, time to cor ssment offered: W ced in due form ur	andidate, for modules w mplete: 1 to 4 weeks) on hen and how often ass	with less than 4 ECTS credits appropriate appropriate (appropriate appropriate	prox. 20 minute entation (approx Is on the metho	d of assessment and will be an-				
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									
11-BMT-092-m01	Biophysical Measurement Technology in Medical Science												
	ECTS	6	Duration	1	1 semester	Method of grading	Modul level	graduate					
	Course	S		R + V	(no information o	n SWS (weekly contact	hours) and course language ava	ailable)					
	Method	l of asse		a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examinatio 2009.  Language of assessment: German, English									
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.									

11-LMB-092-m01	Labora	tory and	Measure	ment	Technology in Bioph	nysics						
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R + V (	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)				
	Method	d of asse		prox. to 10 p Asses nounc 2009.	Language of assessment: German, English							
	other p	rerequis		on to a the leasessm	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
11-PKS-092-m01	Physics of Complex Systems											
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R + V (	(no information on S	SWS (weekly contact	hours) and course language ava	ailable)				
	Method	d of asse		a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in group prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (a to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and winounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regular 2009.  Language of assessment: German, English								
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

11-QIC-092-m01	Quantu	m Infor	mation an	d Qua	ntum Computing							
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		R + V	(no information o	n SWS (weekly contact	hours) and course language av	ailable)				
	Method	l of asse		prox. to 10   Asses nound 2009.	Language of assessment: German, English							
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
11-SDC-092-m01	Statistics, Data Analysis and Computer Physics											
	ECTS	4	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		R + V	(no information o	n SWS (weekly contact	hours) and course language av	ailable)				
	Method	l of asse		a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in g prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulation). Language of assessment: German, English								
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

11-A2-092-m01	Electro	nics									
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	(no information o	n SWS (weekly contact	: hours) and course language	available)			
	Method	d of asse		Asses	sment offered: Wi ced in due form ur				d of assessment and will be an- and examination regulations)		
	other p	rerequis		tive d on to the le sessn	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.						
	Participants and allo- cation of places			Only as part of pool of general key skills (ASQ): 15 places. Places will be allocated by lot.							
11-RMFT-102-m01	Renormalization Group Methods in Field Theory										
	ECTS	6	Duration		1 semester	Method of grading		Modul level	graduate		
	Course	S		V + R (no information on SWS (weekly contact hours) and course language available)							
	Method	d of asse		prox. to 10 Asses nound 2009.	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulation 2009.  Language of assessment: German, English						
	other p	rerequis		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							

11-MSS-102-m01	Method	ds in Su	rface Spe	ctrosc	ору							
	ECTS	4	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (no	information on S	WS (weekly contact ho	ours) and course language ava	ilable)				
	Method	d of ass	essment	prox. to 10 Asses nound 2009	Language of assessment: German, English  Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
	other p	,		tive d on to the le sessn fication								
11-EXE6-111-mo1			in Experi		l Physics							
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + R	(no information o	n SWS (weekly contac	t hours) and course language	available)				
	Method of assessment			a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Language of assessment: German, English								
	other p			<u> </u>	Approval by examination committee required.							
11-EEW-102-m01		n Electr	on Intera	ction								
	ECTS	4	Duration		1 semester	•	numerical grade	Modul level	graduate			
	Course	S		V + R	(no information o	n SWS (weekly contac	t hours) and course language	available)				
	Method	d of ass	essment	prox. to 10 Asses nound 2009	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.  Language of assessment: German, English							
	other prerequisites			tive d on to the le sessn	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respondive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semeste the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							

11-TFK2-111-m01	Theore	tical So	lid State	Physic	5 2		"	-			
	ECTS	8	Duration	n .	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course					n SWS (weekly contact hours) and course lar	<del>-</del>				
	Method	d of ass	essment	prox. to 10 Asses nound 2009.	30 minutes per ca pages, time to con sment offered: Wh ced in due form un	(approx. 90 minutes) or b) oral examination ndidate, for modules with less than 4 ECTS on plete: 1 to 4 weeks) or d) presentation/semben and how often assessment will be offered or observance of Section 32 Subsection 3 and: German, English	credits approx. 20 minut ninar presentation (appro ed depends on the metho	es) or c) project report (approx. 8 vx. 30 minutes) od of assessment and will be an-			
	other p	rerequi	sites	tive d on to the le sessn	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.						
11-EXT6-111-m01	Current Topics in Theoretical Physics										
	ECTS 6 Duration			1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V + R	(no information or	n SWS (weekly contact hours) and course lar	nguage available)				
	Method of assessment			a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to weeks) or d) presentation/seminar presentation (approx. 30 minutes) Language of assessment: German, English							
	other p	rerequi	sites	Appro	val by examinatio	n committee required.					
11-EXP5-111-m01	Current	t Topics	in Physic	:s							
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V + R (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Language of assessment: German, English							
	other p				val by examinatio	n committee required.					

11-EXP6-111-m01	Current	Topics	in Physic	:s		,					
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		V + R	no information on	SWS (weekly contac	t hours) and course language av	ailable)			
	Method				written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for nodules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 veeks) or d) presentation/seminar presentation (approx. 30 minutes)  Language of assessment: German, English						
	other p	rerequi	sites	Appro	val by examination	n committee required	l.				
11-EXP7-111-m01	Current	Topics	in Physic	:s							
	ECTS	7	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		V + R	(no information on	SWS (weekly contac	t hours) and course language av	ailable)	-		
	Method	l of asso	essment	specif modu weeks	a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless oth specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Language of assessment: German, English						
	other prerequisites			Approval by examination committee required.							
11-EXP8-111-m01	Current	Topics	in Physic	:s							
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		V + R	(no information on	SWS (weekly contac	t hours) and course language av	ailable)			
	Method	l of asso	essment	specif modu weeks	a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Language of assessment: German, English						
	other p	other prerequisites			val by examination	n committee required	l				

11-IEM-111-m01	Introdu	ıction to	Electron	Micro	scopy							
	ECTS	4	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	·S		V + R	(no information o	n SWS (weekly contact	hours) and course language av	ailable)				
	Method	d of ass	essment	prox. to 10 Asses nound 2009	written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.  Language of assessment: German, English Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec-							
	other p	rerequi		tive d on to the le sessn	etails at the begir assessment. If st cturer will put the nent in the curren	ning of the course. Regudents have obtained to ir registration for asses	gistration for the course will be a the qualification for admission to ssment into effect. Students who	considered a de to assessment o o meet all prere	form students about the respec- eclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-			
11-FTFK-112-m01	Field Theory in Solid State Physics											
	ECTS 8 Duratio		Duration	า	1 semester	Method of grading   numerical grade   Modul level   graduate						
	Course	S		V + R	V + R (no information on SWS (weekly contact hours) and course language available)							
	Method	d of ass		prox. to 10 Asses	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (ap prox. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be an nounced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.							
	other p	rerequi		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								

11-CMS-122-m01	Compu	ıtationa	l Material	s Scie	nce							
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade		Modul level	graduate			
	Course	s	•	V + R	(no information o	n SWS (weekly contact hours) and course la	anguage ava	ailable)				
	Metho	d of asso	essment	minut prese Asses nound 2009	anguage of assessment: German or English							
	otherp	orerequi	sites	tive d on to the le sessn	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
11-CMS-131-m01	Computational Materials Science											
	ECTS 8 Duration			<u> </u>	1 semester	Method of grading numerical grade		Modul level	graduate			
	Course	S		V + R	V + R (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of asso	essment	prox. on/se Asses nound 2009	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations)  2009.  Language of assessment: German, English							
	otherp	orerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semesters.								

11-ASL-131-m01	Applied	Super	conductio	n				,				
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + R	(no information on	SWS (weekly contact	hours) and course langu	uage available)				
	Method	d of ass	essment	prox. on/se Asses nound 2009.	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations)  2009.  Language of assessment: German, English							
	other p	rerequi	sites	tive d on to the le	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respecive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, he lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semesters.							
11-FKS2-132-m01	Solid State Spectroscopy 2											
	ECTS 6 Duration			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + R	(no information on	SWS (weekly contact	hours) and course langu	uage available)				
	Method of assessment			prox. on/se Asses nound 2009.	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examin prox. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 week on/seminar presentation (approx. 30 minutes)  Assessment offered: When and how often assessment will be offered depends on the method of assessment of due form under observance of Section 32 Subsection 3 ASPO (general academic and examina 2009.  Language of assessment: German, English							
11-TFP-132-m01	Topolog	gy in So	olid State	Physic	:S			,				
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S					hours) and course langu					
	Method of assessment			prox. on/se Asses nound 2009.	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.  Language of assessment: German, English							

Non-technical Sub	sidiary Subjects (6 ECTS	credits)							
Mathematics									
10-M-ORS-072-	<b>Operations Research</b>								
mo1	ECTS 5 Duration	n 1 semester Method of grading numerical grade Modul level undergraduate							
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment	written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other prerequisites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
	Referred to in LPO I	§ 73 (1) 5. Mathematik Angewandte Mathematik							
10-M-NM1-082-	Numerical Mathematics	51							
mo1	ECTS 8 Duratio	n 1 semester Method of grading numerical grade Modul level undergraduate							
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment	written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other prerequisites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
	Referred to in LPO I	§ 73 (1) 5. Mathematik Angewandte Mathematik							

10-M-NM2-082-	Numerical	Mathematics	2		'						
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	\ 	V + Ü	(no information or	SWS (weekly contact	hours) and course language av	ailable)				
	Method of	assessment	exami	written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other prere	equisites	tive de on to a the lea sessm	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
	Referred to	in LPO I	§ 73 (:	ı) 5. Mathematik A	ngewandte Mathema	tik					
10-M-VAN-082-	Advanced Analysis										
mo1	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	<u> </u>	Ü + V (no information on SWS (weekly contact hours) and course language available)								
	Method of	assessment	written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner								
	other prere	equisites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.								
	Referred to	in LPO I	§ 73 (	ı) 1. Mathematik A	nalysis						

10-M=AAAN-102-	Applied	Analys	sis		-			-			
mo1	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + Ü	(no information or	SWS (weekly contact	hours) and course language av	ailable)			
	Method	d of ass		At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (90 to 120 minutes), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups (groups of 2, approx. 30 minutes) Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters. Language of assessment: German, English							
	other p	other prerequisites			Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective details at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.						
10-M=AFT-	Complex Analysis										
H-102-m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V + Ü	(no information or	SWS (weekly contact	hours) and course language av	ailable)			
	Method of assessment			(90 to 2, app Asses se off	o 120 minutes), b) ( orox. 30 minutes) osment offered: As ered on demand o	oral examination of on	e candidate each (approx. 20 n	ninutes), c) oral	ssment: a) written examination examination in groups (groups of in the subsequent semester, cour-		
	other p	rerequi		Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective details at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							

10-M=VGDS-102-	Groups and their Representations									
mo1	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)		
	Method	d of ass		At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (approx. 90 to 120 minutes; usually chosen), b) oral examination of one candidate each (approx. 20 minutes), c) oral examination in groups of 2 candidates (approx. 30 minutes total)  Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters.  Language of assessment: German, English						
	other p	·		cordar (e. g. s tails a asses turer v in the admis	nce with the specifi successful complet at the beginning of t sment. If students I will put their registr current or in the su ssion to assessmen	ed registration deadlion of a certain perce he course. Registration nave obtained the quation for assessment bsequent semester.	ines. Certain prerequisites must ntage of exercises). The lecture on for the exercise will be cons alification for admission to ass into effect. Students who mee	st be met to qua er will inform stu idered a declara sessment over th t all prerequisite	is announced by the lecturer in ac- ilify for admission to assessment idents about the respective de- ition of will to seek admission to ne course of the semester, the lec- es will be admitted to assessment ave to obtain the qualification for	
10-M=VN-	Numeri	c of Pa	rtial Differ	ential	Equations			,		
PE-102-m01	ECTS	10	Duration		1 semester	Method of grading		Modul level	graduate	
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment			(90 to 2, app Asses se offe	o 120 minutes), b) o orox. 30 minutes) ssment offered: Ass	ral examination of on essment offered in th every four semesters	e candidate each (approx. 20 r e semester in which the course	ninutes), c) oral	ssment: a) written examination examination in groups (groups of in the subsequent semester, cour-	
	otherp	rerequi		Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective details at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.						

10-M=VQK-	Quantum Control and Quantum Computing											
C-102-m01	ECTS 5 Duratio	n 1 semester Method of grading numerical grade Modul level graduate										
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)										
	Method of assessment	At the beginning of the course, the lecturer will choose one of the following methods of assessment: a) written examination (60 to 90 minutes), b) oral examination of one candidate each (approx. 15 minutes), c) oral examination in groups (groups of 2, approx. 20 minutes)  Assessment offered: Assessment offered in the semester in which the course is offered and in the subsequent semester, course offered on demand or every four semesters.  Language of assessment: German, English										
	other prerequisites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective details at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.										
<b>Computer Science</b>												
10-I-DB-102-m01	Databases											
	ECTS 5 Duratio											
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)										
	Method of assessment	written examination (approx. 50 to 60 minutes) if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes) Language of assessment: German, English if agreed upon with the examiner										
	other prerequisites	Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).										
	Referred to in LPO I	§ 49 (1) 1. b) Datenbanksysteme und Softwaretechnologie § 69 (1) 1. b) Datenbanksysteme und Softwaretechnologie										
10-I-00P-102-m01	Object-oriented Program	nming										
	ECTS 5 Duratio	n 1 semester Method of grading numerical grade Modul level undergraduate										
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)										
	Method of assessment	written examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes)  Language of assessment: German, English if agreed upon with the examiner										
	other prerequisites	Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).										

10-I-AR-102-m01	Automatic	on and Contro	l Techi	nology	,						
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information or	n SWS (weekly contact	hours) and course language	available)				
	Method o	f assessment	writte 90 m (appi	written examination (approx. 80 to 90 minutes). If announced by the lecturer by four weeks prior to the examination date, the written examination can be replaced by an oral examination of one candidate each or an oral examination in groups. A 80 to 90 minute written examination is equivalent to a 20 minute (approx.) oral examination of one candidate each, a 30 minute (approx.) oral examination in groups of 2 and a 40 minute (approx.) oral examination in groups of 3. Language of assessment: German, English if agreed upon with the examiner							
	other prer	equisites		Admission prerequisite to assessment: exercises (type and scope to be announced by the lecturer at the beginning of the course).							
10-I-BS-102-m01	Operating	Systems									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	,	V + Ü	(no information or	n SWS (weekly contact	hours) and course language	available)				
			writte didat Lang	tten examination (approx. 50 to 60 minutes); if announced by the lecturer by four weeks prior to the examination date, the itten examination can be replaced by an oral examination of one candidate each or an oral examination in groups (one candidate each: 15 minutes, groups of 2: 20 minutes, groups of 3: 25 minutes)  Inguage of assessment: German, English if agreed upon with the examiner							
	other prer	equisites	Admi		to assessment: exerci	ses (type and scope to be ani	nounced by the le	ecturer at the beginning of the			
	Referred t	o in LPO I	§ 69	(1) 1. c) Informatik	Technische Informatik						
10-I-RAK-102-m01	Computer	Architecture									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	,	V + Ü	(no information or	n SWS (weekly contact	hours) and course language	available)				
	Method o	fassessment	writte	en examination car e each: 15 minutes	n be replaced by an ora s, groups of 2: 20 minu		ate each or an ora	orior to the examination date, the Il examination in groups (one can-			
	other prer		Admi	ssion prerequisite e).	to assessment: exerci	ses (type and scope to be ani	nounced by the le	ecturer at the beginning of the			
	Referred t	o in LPO I	§ 69	(1) 1. c) Informatik	Technische Informatik						
10-I=PVS-102-m01	Programn	ning of Distrib	uted S	ystems			,				
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V + Ü	(no information or	n SWS (weekly contact	hours) and course language	available)				
	Method o	f assessment									
	other prer	equisites	Wher	e applicable, prere	equisites as specified b	by the lecturer at the beginning	ng of the course (e	e. g. completion of exercises).			

10-l=Kl-102-m01	Artificial Intelligence											
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade		Modul level	graduate		
	Courses	5		V + Ü	(no information	on SWS (weekly contac	t hours) and course	language av	ailable)			
	Method	of asse	essment							prior to the examination date, the		
						an be replaced by an o es, groups of 2: 20 min			each or an ora	l examination in groups (one can-		
						es, groups of 2: 20 min ent: German, English if						
	other pr	erequis	sites	Where	e applicable, pre	requisites as specified	by the lecturer at th	e beginning	of the course (e	e. g. completion of exercises).		
10-l=DB2-102-m01	Databas	ses II										
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade		Modul level	graduate		
	Courses	;		V + Ü	(no information	on SWS (weekly contac	t hours) and course	language av	ailable)			
	Method	of asse	essment	writte	n examination ca	an be replaced by an o	ral examination of o	ne candidate		orior to the examination date, the l examination in groups (one can-		
				Langu	age of assessme	es, groups of 2: 20 min ent: German, English if	agreed upon with th	ne examiner				
	other pr	•										
10-I=PA-102-m01			n and Ana									
	ECTS	5	Duration		1 semester		numerical grade		Modul level	graduate		
	Courses											
	Method	of asse	essment	writte didate	n examination ca e each: 15 minute		ral examination of or utes, groups of 3: 25	ne candidate 5 minutes)		orior to the examination date, the l examination in groups (one can-		
	other pr	erequi	sites	Where	applicable, pre	requisites as specified	by the lecturer at th	e beginning	of the course (e	e. g. completion of exercises).		
Law												
02-N-P-H-082-m01	Fundam	entals	of Comme	ercial L	.aw							
	ECTS	4	Duration	1	1 semester	Method of grading	numerical grade		Modul level	undergraduate		
	Courses	;		V (no	information on S	SWS (weekly contact ho	urs) and course lan	guage availal	ble)			
	Method	of asse	essment	a) wri	tten examinatior	(approx. 120 minutes	or b) oral examinat	ion (approx.	15 minutes)			
	Particip cation o		S							ocated as follows: Students applygiven preferential consideration.		

02-N-P-A-082-m01	Employ	ment L	aw					•				
	ECTS	4	Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S		V (no	information on SWS	(weekly contact hours) and course language availa	ble)					
	Method	d of asse	essment	a) writ	tten examination (ap	oprox. 120 minutes) or b) oral examination (approx.	15 minutes)					
		oants ar of place		credit ing af	Degree programm law (degree "Erste Juristische Staatsprüfung") and Bachelor's Privatrecht (Private Law) (minor with 60 ECTS credits): no restrictions. Students of other degree programmes: 20 places. Places will be allocated as follows: Students applying after not having successfully completed assessment in in the last 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-G-082-m01	Introdu	iction to	Compan	ies Lav	7							
	ECTS	2	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S	•	V (no	information on SWS	(weekly contact hours) and course language availa	ble)					
	Method	d of asso	essment	a) writ	a) written examination (approx. 120 minutes) or b) oral examination (approx. 15 minutes)							
		Participants and allo- cation of places			Degree programm law (degree "Erste Juristische Staatsprüfung") and Bachelor's Privatrecht (Private Law) (minor with 60 ECTS credits): no restrictions. Students of other degree programmes: 20 places. Places will be allocated as follows: Students applying after not having successfully completed assessment in in the last 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-W04-112-	Europe	an Com	pany Law									
mo1	ECTS	2	Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S		V (no	information on SWS	(weekly contact hours) and course language availa	ble)					
	Method	d of ass	essment			pprox. 120 minutes) or b) oral examination (approx. a year, winter semester	15 minutes)					
		oants ar of place		Students of the degree programme Rechtswissenschaften (Law) with the degree Erste Juristische Staatsprüfung (first state examination in law) and students of the Bachelor's degree programme Privatrecht (Private Law) (minor with 60 ECTS credits): no restrictions. Students of other degree programmes: 20 places, 10 of which will be set aside for Master's students of Economics. Should the number of places available exceed the number of applications, the remaining places can be allocated to students of other subjects/degree programmes. Should there be more than 10 applications from students of other subjects, the remaining 10 places will be allocated as follows: Students applying after not having successfully completed assessment in past years 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-G1-101-m01	Basic C	ourse G	erman Ci	Basic Course German Civil Code 1										
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	5	,	V + 0	(no information o	n SWS (weekly contac	t hours) and course language av	vailable)	·					
	Method	of asse	essment	a) wri	tten examination	(approx. 120 minutes)	or b) oral examination (approx.	. 15 minutes)						
	other pr	rerequis	sites	Admi	ssion prerequisite	to assessment: regul	ar attendance of conversatoriun	n.						
	Particip cation c			credit ing af	s): no restrictions ter not having suc	. Students of other de ccessfully completed a	gree programmes: 20 places. Plassessment in in the last two se	aces will be allo mesters will be g	Private Law) (minor with 60 ECTS ocated as follows: Students applygiven preferential consideration.					
				ble.		vill be allocated by lot.	. A waiting list will be maintaine	d and places re-	allocated as they become availa-					
02-N-P-G2-101-	Basic C	ourse G	erman Ci	vil Coc	le 2a and 2 b									
mo1	ECTS	10	Duration		1 semester	•	numerical grade	Modul level	undergraduate					
	Courses			V + V	(no information o	n SWS (weekly contac	t hours) and course language av	vailable)						
	Method	l of asse	essment	writte	n examination (a <sub>l</sub>	oprox. 120 minutes)								
	Particip cation c		S	crediting af	s): no restrictions ter not having suc	<ul> <li>Students of other de cessfully completed a</li> </ul>	gree programmes: 20 places. Plassessment in in the last two se	laces will be allo mesters will be §	(Private Law) (minor with 60 ECTS ocated as follows: Students applygiven preferential consideration. allocated as they become availa-					
02-N-P-G3-101-	Basic Course German Civil Code 3													
mo1	ECTS 10 Duration		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Courses	5		V + 0	(no information o	n SWS (weekly contac	t hours) and course language av	vailable)						
	Method	l of asse	essment	ment a) written examination (approx. 120 minutes) or b) oral examination (approx. 15 minutes)										
	other pr	rerequis	sites	Admi	Admission prerequisite to assessment: regular attendance of conversatorium.									
	Particip cation c		S	credit ing af	s): no restrictions ter not having suc	. Students of other de ccessfully completed a	gree programmes: 20 places. Plassessment in in the last two se	aces will be allo mesters will be g	(Private Law) (minor with 60 ECTS ocated as follows: Students applygiven preferential consideration. allocated as they become availa-					
02-N-P-W06-111-	German	and Eu	ropean T	rade N	lark Law									
mo1	ECTS	3	Duration	l	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	5					urs) and course language availa							
	Method of assessment					(approx. 120 minutes) sually once a year, sur	or b) oral examination (approx. nmer semester	. 15 minutes)						
	Participants and allo- cation of places		Degree programm law (degree "Erste Juristische Staatsprüfung") and Bachelor's Privatrecht (Private Law) (minor with 60 ECTS credits): no restrictions. Students of other degree programmes: 20 places. Places will be allocated as follows: Students applying after not having successfully completed assessment in in the last 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-W07-111-	Copyri	ght Law	and Fund	lament	als of Patent Law inc	cluding references to EU Law						
mo1	ECTS	2	Duratio	า	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S		V (no	information on SWS	(weekly contact hours) and course language av	ailable)					
	Method	d of ass	essment		a) written examination (approx. 120 minutes) or b) oral examination (approx. 15 minutes) Assessment offered: usually once a year, summer semester							
	Participants and allo- cation of places			credit ing af	Degree programm law (degree "Erste Juristische Staatsprüfung") and Bachelor's Privatrecht (Private Law) (minor with 60 ECTS credits): no restrictions. Students of other degree programmes: 20 places. Places will be allocated as follows: Students applying after not having successfully completed assessment in in the last 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-J7-112-m01	Employ	/ment la	aw for nor	ı-law s	tudents		'					
	ECTS	3	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S		V (no	information on SWS	(weekly contact hours) and course language av	ailable)					
	Method	d of ass	essment		written examination (approx. 120 minutes) Assessment offered: once a year, winter semester							
	Participants and allocation of places			Number of places: maximum 50. 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 by lot as they become available. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure.								
Information Literac	у											
41-IK-NW1-101-	Informa	ation Li	teracy for	Stude	nts of the Natural Sc	iences (Basic Level)						
mo1	ECTS	2	Duratio	1	1 semester	Method of grading (not) successfully complet	ed Modul level	undergraduate				
	Course	S		Ü (no	information on SWS	(weekly contact hours) and course language av	ailable)					
	Method of assessment			a) written examination (approx. 60 minutes) or b) preparing and delivering a presentation with slides (approx. 10 minutes or approx. 5 minutes and approx. 1 page) or c) completing exercises (approx. 10 exercises) or d) presentation without slides (approx. 20 to 30 minutes) or e) preparing and delivering a presentation with slides (approx. 5 minutes) and completing exercises (approx. 5 exercises) or f) presentation without slides (approx. 10 to 15 minutes) and completing exercises (approx. 5 exercises)								
	Participants and allocation of places			Number of places: 5-50. There is a restricted number of places. If necessary, places will be allocated as follows: Students of the degree programmes of the respective subject-specific focuses will be given preferential consideration. The remaining places, if and when any become available, will be allocated to students of the other natural sciences degree programmes. In each of the above-mentioned groups, 30% of places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. The remaining 70% of places will each be allocated by lot.								

41-IK-NW2-101-	Information Lite	eracy for	Stude	nts of the Natural	Scien	nces (Advance	d Level)				-
mo1	ECTS 2	Duratio	n	1 semester	М	lethod of gradi	ng (not) succ	essfully cor	npleted	Modul level	undergraduate
	Courses		Ü (no	information on S\	NS (w	veekly contact l	hours) and co	urse langua;	ge availal	ble)	
	Method of asse	essment		a) written examination (approx. 60 minutes) or b) preparing and delivering a presentation with slides (approx. 10 minutes or							
				approx. 5 minutes and approx. 1 page) or c) completing exercises (approx. 10 exercises) or d) presentation without slides (approx. 20 to 30 minutes) or e) preparing and delivering a presentation with slides (approx. 5 minutes) and completing exercises							
											eting exercises (approx. 5 exerci-
	other prerequis	ites	Know	ledge and skills e	quiva	lent to those a	chieved in the	basic mod	ule desira	able.	
	Participants and cation of places		of the place each applic	Number of places: 10 to 50. There is a restricted number of places. If necessary, places will be allocated as follows: Students of the degree programmes of the respective subject-specific focuses will be given preferential consideration. The remaining places, if and when any become available, will be allocated to students of the other natural sciences degree programmes. In each of the above-mentioned groups, 30% of places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. The remaining 70% of places will each be allocated by lot.							
Languages											
42-ENO-IK-072-	Intercultural Co	mpeten	ce (English, Advanced Level)								
mo1	ECTS 3	Duratio	1	1 semester Method of grading numerical grade Modul level undergraduat					undergraduate		
	Courses			information on SN					<u> </u>		_
	Method of asse	essment	ning of poner writin to 15 p the be	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: English							
	Modules succes	ssfully	42-ENM2 or 42-ENM3 or 42-ENM4 or assessment test								
	Participants and cation of places		Number of places: 5-25. Places will be allocated by lot.								

42-ENO-LK-072-	Cultural Stu	dies (Englis	h, Adva	inced Level)							
mo1	ECTS 3	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	<del></del>	Ü (no	information on SWS	(weekly contact hours) and course language av	ailable)					
	Method of a	ssessment	ning c ponen writing to 15 p the be	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: English							
	Modules su completed	ccessfully	42-EN	42-ENM2 or 42-ENM3 or 42-ENM4 or assessment test							
	Participants cation of pla		Numb	Number of places: 5-25. Places will be allocated by lot.							
42-ENO-W1-072-	English for Business 1 (Advanced Level)										
mo1	ECTS 4	Duratio	n	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Courses		Ü (no	Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of a	ssessment	ning c ponen writing to 15 p the be Langu	omprehension, writ at examination (app g) or option 3: 2 to 2 bages total), all com ginning of the cours age of assessment:		essment (approx. 16 (reading comprehe tal) as well as 2 to 2	o minutes) and written multi-com- nsion, listening comprehension, 4 written assessments (approx. 10				
	Modules su completed	ccessfully	42-EN	42-ENM2 or 42-ENM3 or 42-ENM4 or assessment test							
	Participants cation of pla		Number of places: 5-25. Places will be allocated by lot.								

42-ENO-W2-072-	English	for Bus	siness 2 (	Advanc	ed Level)							
mo1	ECTS	4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	-	Ü (no	information on SW	(weekly contact hou	urs) and course language availa	ble)				
	Method	d of asse	essment	ning c ponen writing to 15 p the be Langu	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed a che beginning of the course  Language of assessment: English  Assessment offered: once a year, summer semester							
	Module comple	es succe eted	essfully	42-EN	42-ENM2 or 42-ENM3 or 42-ENM4 or assessment test							
		oants an of place		Numb	Number of places: 5-25. Places will be allocated by lot.							
42-ENO-NW1-072-	English for the Natural Sciences 1 (Advanced Level)											
mo1	ECTS	4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		Ü + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)				
	Method	d of asse	essment	ning c ponen writing to 15 p the be Langu	omprehension, wrint examination (apport of apport of apport of a possible of a possible of the courage of assessment	ting, communication frox. 60 to 90 minute 4 oral assessments (a ponents/assessmen se	skills) or option 2: oral assessn s total) with 3 components (read approx. 30 to 60 minutes total) ats each weighted 1:1; options w	nent (approx. 10 ding compreher as well as 2 to 4	s (reading comprehension, liste- o minutes) and written multi-com- nsion, listening comprehension, written assessments (approx. 10 and examination dates be fixed at			
	Module comple	es succe eted	essfully	42-EN	42-ENM2 or 42-ENM3 or 42-ENM4 or assessment test							
		oants an of place		Number of places: 5-25. Places will be allocated by lot.								

42-ENO-NW2-072-	English f	or the Natural S	Sciences 2 (Advanced	Level)							
mo1	ECTS 4	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		Ü + Ü (no informatio	n on SWS (weekly contac	t hours) and course language av	vailable)	•				
	Method o	of assessment	ning comprehension ponent examination writing) or option 3: to 15 pages total), al the beginning of the Language of assessr	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 1 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed the beginning of the course Language of assessment: English Assessment offered: once a year, summer semester							
	Modules complete	successfully ed	42-ENM2 or 42-ENM3 or 42-ENM4 or assessment test								
	Participa cation of	nts and allo- places	Number of places: 5	Number of places: 5-25. Places will be allocated by lot.							
42-FRO-GW1-072-	French for the Humanities 1 (Advanced Level)										
mo1	ECTS 4	1 Duration	1 semester	Method of grading	Modul level	undergraduate					
	Courses		Ü (no information on	SWS (weekly contact ho	urs) and course language availa	ble)					
	Method o	of assessment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, list ning comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed the beginning of the course Language of assessment: French Assessment offered: once a year, winter semester								
	Modules complete	successfully ed	42-FRM2 or 42-FRM3 or 42-FRM4 or assessment test								
	Participa cation of	nts and allo- places	Number of places: 5	25. Places will be alloca	ted by lot.						

42-FRO-GW2-072-	French	for the	Humaniti	es 2 (A	dvanced Level)							
mo1	ECTS	4	Duration	า	1 semester	Metho	d of grading nu	merical grade		Modul level	undergraduate	
	Course	!S		Ü (no	information on SW	S (weekl	contact hours)	and course lan	guage availal	ble)		
	Method	d of ass	essment	ning of poner writin to 15 the bo Langu	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: French Assessment offered: once a year, summer semester							
	Module comple	es succe eted	essfully	42-FR	42-FRM2 or 42-FRM3 or 42-FRM4 or assessment test							
	Participants and allo- cation of places			Numb	Number of places: 5-25. Places will be allocated by lot.							
42-FRO-IK-072-	Intercultural Competence (French, Advanced Level)											
mo1	ECTS 3 Duration			า	1 semester	Metho	d of grading nu	merical grade		Modul level	undergraduate	
	Course	!S		Ü (no	information on SW	S (weekly	contact hours)	and course lan	guage availal	ble)		
	Method	d of ass	essment	ning of poner writing to 15 the bo	comprehension, wr nt examination (ap g) or option 3: 2 to	ting, con prox. 60 t 4 oral as nponents rse	nmunication skil to 90 minutes to sessments (app	ls) or option 2: tal) with 3 com ox. 30 to 60 m	oral assessm ponents (read inutes total) a	nent (approx. 1 ding comprehe as well as 2 to	ts (reading comprehension, liste- o minutes) and written multi-com- nsion, listening comprehension, 4 written assessments (approx. 10 and examination dates be fixed at	
	Module comple	es succe eted	essfully	42-FR	42-FRM2 or 42-FRM3 or 42-FRM4 or assessment test							
		pants ar of place		Numb	per of places: 5-25.	Places w	ill be allocated b	y lot.				

42-FRO-LK-072-	Intercu	ltural C	ompetend	e (Frer	nch, Advanced Leve	1)					
mo1	ECTS	3	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			Ü (no	Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: French							
	Modules successfully completed			42-FRM2 or 42-FRM3 or 42-FRM4 or assessment test							
	,	oants ar of place		Number of places: 5-25. Places will be allocated by lot.							
42-FRO-W1-072-	French for Business 1 (Advanced Level)										
mo1	ECTS 4 Duration				1 semester	Method of grading		Modul level	undergraduate		
	Courses			Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	d of ass	essment	ning of poner writing to 15 p the be Langu	comprehension, writh the examination (apping) or option 3: 2 to 2 pages total), all comeginning of the courlage of assessment:	ing, communication rox. 60 to 90 minute a oral assessments (aponents/assessments) se	skills) or option 2: oral assessies total) with 3 components (rea approx. 30 to 60 minutes total) nts each weighted 1:1; options	ment (approx. 10 Iding compreher as well as 2 to 2	s (reading comprehension, liste- o minutes) and written multi-com- nsion, listening comprehension, 4 written assessments (approx. 10 and examination dates be fixed at		
	Module comple	es succe eted	essfully	42-FRM2 or 42-FRM3 or 42-FRM4 or assessment test							
		oants ar of place		Numb	er of places: 5-25. F	Places will be allocat	ed by lot.				

42-FRO-W2-072-	French	for Bus	iness 2 (A	dvance	ed Level)							
mo1	ECTS	4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			Ü (no	Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	d of ass	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: French Assessment offered: once a year, summer semester								
	Module comple	es succe eted	essfully	42-FR	42-FRM2 or 42-FRM3 or 42-FRM4 or assessment test							
		pants ar of place		Number of places: 5-25. Places will be allocated by lot.								
42-SPO-GW1-072-	Spanish for the Humanities 1 (Advanced Level)											
mo1	ECTS 4 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	es.		Ü (no	information on SW	/S (weekly contact ho	urs) and course language availa	ble)				
	Method	d of ass	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: Spanish Assessment offered: once a year, winter semester								
	Module comple	es succe eted	essfully	42-SP	42-SPM2 or 42-SPM3 or 42-SPM4 or assessment test							
		pants ar of place		Numb	er of places: 5-25.	Places will be allocat	ed by lot.					

42-SPO-GW2-072-	Spanish for th	e Humani	ties 2 (	(Advanced Level)						
mo1	ECTS 4	Duration	1	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Courses		Ü (no	Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of ass	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: Spanish Assessment offered: once a year, summer semester							
	Modules succe completed	essfully	42-SPM2 or 42-SPM3 or 42-SPM4 or assessment test							
	Participants ar cation of place		Number of places: 5-25. Places will be allocated by lot.							
42-SPO-IK-072-	Intercultural Competence (Spanish, Advanced Level)									
mo1	ECTS 3	Duration	า	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Courses		Ü (no	information on SW	S (weekly contact h	ours) and course language a	vailable)			
	Method of ass	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course  Language of assessment: Spanish							
	Modules succe completed	essfully	42-SPM2 or 42-SPM3 or 42-SPM4 or assessment test							
	Participants ar cation of place		Numb	per of places: 5-25.	Places will be alloca	ited by lot.				

42-SPO-LK-072-	Cultural Studies (Spanish, Advanced Level)											
mo1	ECTS 3	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		Ü (no	Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of ass	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: Spanish									
	Modules succe completed	essfully	42-SPM2 or 42-SPM3 or 42-SPM4 or assessment test									
	Participants and cation of place		Number of places: 5-25. Places will be allocated by lot.									
42-SPO-W1-072-	Spanish for Business 1 (Advanced Level)											
mo1	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		Ü (no information on SWS (weekly contact hours) and course language available)									
	Method of ass	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: Spanish Assessment offered: once a year, winter semester									
	Modules succe completed	essfully	42-SPM2 or 42-SPM3 or 42-SPM4 or assessment test									
	Participants ar		Numb	per of places: 5-25. P	laces will be allocat	ed by lot.						

42-SPO-W2-072-	Spanish for Business 2 (Advanced Level)												
mo1	ECTS 4 Duration			ı	1 semester Method of grading numerical grade Modul level undergraduate								
	Course	S		Ü (no	Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	essment	option 1: written multi-component examination (approx. 90 minutes total) with 4 components (reading comprehension, listening comprehension, writing, communication skills) or option 2: oral assessment (approx. 10 minutes) and written multi-component examination (approx. 60 to 90 minutes total) with 3 components (reading comprehension, listening comprehension, writing) or option 3: 2 to 4 oral assessments (approx. 30 to 60 minutes total) as well as 2 to 4 written assessments (approx. 10 to 15 pages total), all components/assessments each weighted 1:1; options will be selected and examination dates be fixed at the beginning of the course Language of assessment: Spanish Assessment offered: once a year, summer semester									
	Module comple		essfully	42-SP	M2 or 42-SPM3 or 4	2-SPM4 or assessme	nt test						
	Participants and allo- cation of places			Number of places: 5-25. Places will be allocated by lot.									
Additional Qualific	ations												
11-EXNT6-112-mo1	Non-technical Minor Subject												
	ECTS 6 Duration			ì	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V + R (no information on SWS (weekly contact hours) and course language available)									
	Method	d of asso	essment	a) written examination (approx. 120 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Language of assessment: German, English									
	other prerequisites			Approval by examination committee required.									
11-EXZ5-111-m01		nal Qua	lification	s for Engineers									
	ECTS	5	Duration		1 semester	Method of grading	•	Modul level	graduate				
	Courses			V + R (no information on SWS (weekly contact hours) and course language available)									
				a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Language of assessment: German, English									
	other prerequisites			Appro	val by examination	committee required.							

11-EXZ6-111-m01	Additional Qualifications for Engineers											
	ECTS	6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + R	V + R (no information on SWS (weekly contact hours) and course language available)							
				a) written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes)  Language of assessment: German, English								
	other p	rerequis	sites	Approval by examination committee required.								
Thesis (30 ECTS cre	edits)											
11-MA-N-111-mo1	Master Thesis Nanostructure Technology											
	ECTS 30 Duration 1 semester Method of grading numerical grade Modul								graduate			
	Courses no courses assigned											
	Method	d of asse	essment	written thesis Language of assessment: German, English								