

## **Annex SFB**

## Studienfachbeschreibung (subject description, SFB) for Module studies (Master) **Quantum Technology**

Responsible: Faculty of Physics and Astronomy

Examination regulations version: 2021

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

= 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)

modules in this SFB: ditable for bonus.

Conventions for the Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-

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

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

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

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

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

15-May-2019 (2019-36) 27-Jun-2019 (2019-41) 14-Nov-2019 (2019-52) 22-Jan-2020 (2020-13) o6-May-2020 (2020-39) 22-Jul-2020 (2020-57) 17-Dec-2020 (2020-110) 10-Mar-2021 (2021-17) 09-Jun-2021 (2021-58) 22-Dec-2021 (2021-85) 05-Jul-2022 (2022-52) 31-Jan-2023 (2022-86) 15-Jun-2023 (2023-58) 13-Dec-2023 (2023-107)

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		Durati	on	(in semesters)	Method of grading		Module level					
	Courses			To be spe	cified in the form X	(y) with course type >	abbreviated as specified abo	ve and number of we	ekly contact hours y				
	Method of assessment												

	fter successful etion of	if applicable
Other	orerequisites	if applicable
Partici on of p	pants and allocati- laces	if applicable
Additio	onal information	if applicable
Referre	ed to in LPO I	if applicable (examination regulations for teaching-degree programmes)

Winter Term 2021 (	o ECTS o	redits)									
11-EXP6-161-m01	Current	Topics	in Physik	(							
	ECTS	6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	<u> </u>		V (3) + R (1)	· · · · · · · · · · · · · · · · · · ·						
				oral examination in grage presentation/talk (ap If a written examination form of an oral examination the lecturer must info	n (approx. 90 to 120 minutes) or b) oral examinat roups (groups of 2, approx. 30 minutes per candi- prox. 30 minutes). on was chosen as method of assessment, this ma nation of one candidate each or an oral examinat rm students about this by four weeks prior to the ent: German and/or English	date) or d) project rep ay be changed and ass tion in groups. If the m	ort (approx. 8 to 10 pages) or e) sessment may instead take the ethod of assessment is changed,				
	other p	rerequi	sites	Approval from examir	nation committee required.						
11-EXP6A-161-m01	Current	Topics	in Physik	(		'					
	ECTS	6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	 S		V (3) + R (1)		•					
	Method of assessment			oral examination in gi presentation/talk (ap If a written examination form of an oral examination the lecturer must info Language of assessm	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take th form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English						
	other prerequisites			Approval from examination committee required.							
11-EXP5-161-m01		Topics	in Physik	(							
	ECTS	5	Duration		Method of grading   numerical grade	Modul level	graduate				
	Course		,		V (2) + R (2)						
	Method	d of ass	essment	amination in groups ( on/talk (approx. 30 m If a written examination form of an oral examination the lecturer must info	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English						
	other prerequisites			Approval from examir	nation committee required.						

11-EXP7-161-m01	Current	Topics	in Physil	·	,		,				
	ECTS	7	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) ·	+ R (1)	·	•				
				amina on/ta If a w form the le Langu	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  To a written examination was chosen as method of assessment, this may be changed and assessment may instead take the parm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  To anguage of assessment: German and/or English						
	other p	<u> </u>			oval from examination	on committee required.	1				
11-EXP8-161-mo1			in Physil								
	ECTS	8	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course		 essment		(4) + R(2)						
				on/ta If a w form the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or present on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chatthe lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English						
	other p	rerequi	sites	Approval from examination committee required.							
11-EXN5-212-m01		Topics	in Quant	um Te	chnology						
	ECTS	5	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (2) + R (2) Module taught in: German or English							
	Method	d of ass	essment	amina on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English						
	other p	rerequi	sites	Appro	oval from examination	on committee required.					

11-EXN6-212-m01	Current	t Topics	in Quant	um Techr	nology	,					
	ECTS	6	Duration	1 1	semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (3) + R Module	(1) taught in: Gerr	nan or English					
				amination on / talk of a writt form of a the lecture.	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, he lecturer must inform students about this by four weeks prior to the original examination date at the latest.  anguage of assessment: German and/or English						
	other prerequisites			Approva	ıl from examina	ation committee requi	ed.				
11-EXN7-212-m01	Current	t Topics	in Quant	um Techr	nology						
	ECTS	7	Duration	1 1	semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			(3) + R (1) Nodule taught in: German or English						
	Method of assessment			amination on / talk of a writt form of a the lecture.	on in groups (g (approx. 30 mi en examinatio an oral examin urer must infor	roups of 2, approx. 30 nutes). n was chosen as meth ation of one candidate	minutes per candidate) od of assessment, this receath or an oral examin by four weeks prior to the	or project report (appromay be changed and ass	(approx. 30 minutes) or oral ex- ox. 8 to 10 pages) or presentati- sessment may instead take the ethod of assessment is changed, date at the latest.		
	other p	rerequi	isites	Approval from examination committee required.							
11-EXN8-212-m01	Current	t Topics	s in Quant	um Techr	nology						
	ECTS	8	Duration		semester	Method of grading	g numerical grade	Modul level	graduate		
	Course	S		V (4) + R (2) Module taught in: German or English							
			essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites	Approva	ıl from examina	ation committee requi	ed.				

11-EXN6A-212-m01	Current	t Topics	s in Quant	um Te	chnology	,		,				
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Mo	odul level	graduate		
	Course	S		V (3) - Modu	+ R (1) lle taught in: Germa	an or English		-				
	Method	d of ass	sessment	amina on/ta If a wi form of the le	ation in groups (gro lk (approx. 30 mini ritten examination of an oral examinat cturer must inform	oups of 2, approx. 30 r utes). was chosen as metho	ninutes per candidate d of assessment, this each or an oral exami y four weeks prior to	e) or project re s may be chang ination in grou	eport (appro ged and ass lps. If the m	approx. 30 minutes) or oral ex- x. 8 to 10 pages) or presentati- sessment may instead take the ethod of assessment is changed, date at the latest.		
	other prerequisites					ion committee require	d.					
11-CSFM-161-m01	Advanc	ed Top	ics in Soli	d State	e Physics							
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Mo	odul level	graduate		
	Course	S		V (3) ·	(3) + R (1) ) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c)							
	Method		essillelli	oral e prese If a wi form of the le Langu	oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) of presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chatten lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p		_	Approval from examination committee required.								
11-CSPM-161-m01		ed Top	ics in Phy		sics							
	ECTS	6	Duration		1 semester	Method of grading	numerical grade	Mo	odul level	graduate		
	Course			V (3) ·								
	Method	d of ass	sessment	amina on/ta If a wi form of the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequ	isites	Appro	oval from examinat	ion committee require	d.	,				

11-CSNM-212-m01	Advanced Topics in Quantum Technology												
	ECTS	6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S			V (3) + R (1) Module taught in: German or English								
	Method	d of ass	essment	amina on/ta If a wi form of the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	oval from examinati	on committee required.							
Summer Term 2022	2 (o ECTS	S credit	s)										
11-EXP6-161-mo1	Current	t Topics	in Physil	<b>(</b>									
ļ	ECTS	6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (3) ·	V(3) + R(1)								
	Method of assessment			oral e prese If a wi form of the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	Approval from examination committee required.								
11-EXP6A-161-m01	Current	t Topics	in Physil	<b>(</b>			,						
	ECTS	6	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate					
	Course			V (3) ·									
		,		oral e prese If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) oresentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other prerequisites			Appro	oval from examinati	on committee required.							

11-EXP5-161-m01	Curren	t Topics	s in Physil	<			,					
	ECTS	5	Duratio	n	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S	•	V (2)	+ R (2)	·	•					
	Method	d of ass	sessment	amin on/ta If a w form the le	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, he lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
	other p	rerequi	isites	Appr	oval from examination	on committee required.						
11-EXP7-161-m01	Curren	t Topics	s in Physil	<								
	ECTS 7 Duratio			n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course				(3) + R (1) ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral ex-							
				on/ta If a w form the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	isites	Approval from examination committee required.								
11-EXP8-161-mo1			s in Physil	<								
	ECTS	8	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course				V (4) + R (2)							
	Method of assessment			amin on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
	other p	rerequi	isites	Appr	oval from examination	on committee required.						

11-EXN5-212-m01	Current	t Topics	in Quant	um Techno	logy						
	ECTS	5	Duration	1 1 S	emester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	•	V (2) + R (2 Module ta		rman or English					
				amination on/talk (a If a writter form of an the lecture	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ne lecturer must inform students about this by four weeks prior to the original examination date at the latest.  anguage of assessment: German and/or English						
	other prerequisites			Approval f	rom examir	nation committee requir	ed.				
11-EXN6-212-m01	Current	t Topics	in Quant	um Techno	logy			·			
	ECTS	6	Duration	1 1 56	emester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (3) + R (1 Module ta	(3) + R (1) Nodule taught in: German or English						
	Method of assessment			amination on/talk (a If a writter form of an the lecture	in groups ( pprox. 30 m examinatio oral exami er must info	groups of 2, approx. 30 inutes). on was chosen as meth nation of one candidate	minutes per candidate) od of assessment, this e each or an oral examin by four weeks prior to the	or project report (appromay be changed and ass	(approx. 30 minutes) or oral ex- ix. 8 to 10 pages) or presentati- sessment may instead take the ethod of assessment is changed, date at the latest.		
	other p	rerequi	sites	Approval from examination committee required.							
11-EXN7-212-m01	Current	t Topics	in Quant	um Techno	logy						
	ECTS	7	Duration		emester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (3) + R (1 Module ta		rman or English					
			essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites	Approval f	rom examir	nation committee requir	ed.				

11-EXN8-212-m01	Current	Topics	in Quant	um Te	chnology	,		1				
ļ	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade		Modul level	graduate		
	Course	S			+ R (2) ule taught in: Ger	man or English	•	-				
	Method	l of asso	essment	amin on/ta If a w form the le	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, we lecturer must inform students about this by four weeks prior to the original examination date at the latest.  anguage of assessment: German and/or English							
	other p	rerequi	sites	Appr	oval from examin	ation committee requir	ed.					
11-EXN6A-212-m01		t Topics	in Quant	um Te	chnology							
	ECTS	6	Duration		1 semester	Method of grading	numerical grade		Modul level	graduate		
	Course	S			(3) + R (1) Nodule taught in: German or English							
	Method	l of asse	essment	amin on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or ora amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presen on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chattelecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other prerequisites			Approval from examination committee required.								
11-CSFM-161-m01	Advanc	ed Topi	ics in Soli	d Stat	e Physics							
	ECTS Course	6	Duration		1 semester + R (1)	Method of grading	numerical grade		Modul level	graduate		
			essment	a) wr oral o prese If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
	other p	rerequi	sites	Appr	oval from examin	ation committee requir	ed.					

11-CSPM-161-m01													
	ECTS	6	Duration	1	1 semester	Method of gradi	ng numerical grade		Modul level	graduate			
	Courses	S		V (3)	+ R (1)								
	Method of assessment			amin on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequis	sites	Appr	proval from examination committee required.								
11-CSNM-212-m01		ed Topi			Technology								
	ECTS	6	Duration	1	1 semester	Method of gradi	ng numerical grade		Modul level	graduate			
	Courses	S			V (3) + R (1)  Module taught in: German or English								
	Method of assessment			written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English						essment may instead take the ethod of assessment is changed,			
	other p	rerequis	sites	Approval from examination committee required.									
Winter Term 2022 (	o ECTS o	credits)											
11-EXP6-161-m01	Current	Topics	in Physik	ζ.									
	ECTS	6	Duration	1	1 semester	Method of gradi	ng numerical grade		Modul level	graduate			
	Courses	S		V (3)	+ R (1)	'							
	Method	l of asse	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English									
	other p	rerequis	sites	Appr	oval from examin	nation committee requ	iired.						

11-EXP6A-161-m01	Current	t Topics	in Physil	<u> </u>				·				
	ECTS	6	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S		V (3)	+ R (1)	·	•	•				
				oral e prese If a w form the le	written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) ral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) resentation/talk (approx. 30 minutes).  a written examination was chosen as method of assessment, this may be changed and assessment may instead take the rm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, e lecturer must inform students about this by four weeks prior to the original examination date at the latest. In anguage of assessment: German and/or English							
	other p	rerequi	sites	Appro	oval from examination	on committee required.						
11-EXP5-161-m01	Current	t Topics	in Physil	(								
	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course		essment		(2) + R (2)							
				on/ta If a w form the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or pron/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites	Approval from examination committee required.								
11-EXP7-161-m01	Current	t Topics	in Physil	(								
	ECTS	7	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course				V (3) + R (1)							
	Method of assessment			amin on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
	other p	rerequi	sites	Appro	oval from examinatio	on committee required.						

11-EXP8-161-m01	Current	Current Topics in Physik												
	ECTS	8	Duration	)	1 semester	Method of grading numerical grad	de	Modul level	graduate					
	Course	S		V (4)	+ R (2)			-						
	Method	d of ass	essment	amin on/ta If a w	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
				the le	ecturer must informuse of assessme	m students about this by four weeks pr ent: German and/or English								
		rerequi				ation committee required.		1						
11-EXN5-212-m01		_	in Quant		chnology									
	ECTS	5	Duration	)	1 semester	Method of grading   numerical grad	de	Modul level	graduate					
	Course	S			/ (2) + R (2)  Module taught in: German or English									
				amin on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English									
	other p	rerequi	sites	Approval from examination committee required.										
11-EXN6-212-m01	Current Topics in Quantum Technology													
	ECTS	6	Duration	1	1 semester	Method of grading   numerical grad	de	Modul level	graduate					
	Course	S		V (3) + R (1) Module taught in: German or English										
	Method	d of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English										
	other p	rerequi	sites	Appro	oval from examina	ation committee required.	<u> </u>							

11-EXN7-212-m01	Current Topics in Quantum Technology												
	ECTS	7	Duration	ı	1 semester	Method of gra	nding numerical gr	ade	Modul level	graduate			
	Course	S	·	V (3) - Modu	+ R (1) lle taught in: Ger	man or English	·		•				
	Method	d of ass	essment	amina on/ta If a wi form o the le	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  To a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ne lecturer must inform students about this by four weeks prior to the original examination date at the latest.  To anguage of assessment: German and/or English								
	other p	rerequi	isites	Appro	oval from examin	ation committee re	equired.						
11-EXN8-212-m01	Current	t Topics	s in Quant	um Tec	chnology								
	ECTS	8	Duration	ı	1 semester	Method of gra	nding numerical gr	ade	Modul level	graduate			
	Course	S			(4) + R (2) Nodule taught in: German or English								
	metrio		essment	amina on/ta If a wr form o the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	isites	Approval from examination committee required.									
11-EXN6A-212-m01		t Topics	s in Quant	um Tec	chnology								
	ECTS	6	Duration		1 semester	Method of gra	nding numerical gr	ade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English									
			essment	amina on/ta If a wi form o the le Langu	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English  Approval from examination committee required.								
	other prerequisites			Appro	oval from examin	ation committee re	equired.		,				

11-CSFM-161-m01	Advanc	ed Top	ics in Soli	d State	e Physics								
	ECTS	6	Duration	1	1 semester	Method of grading   numerical grade	Modul level	graduate					
	Course	S		V (3) ·	+ R (1)		•						
	Method	l of ass	essment	oral e prese If a w form the le Langu	written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) oresentation/talk (approx. 30 minutes). Fa written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. anguage of assessment: German and/or English								
	other p			_ ' '	oval from examination	on committee required.							
11-CSPM-161-m01			ics in Phy	sics									
	ECTS 6 Duratio				1 semester	Method of grading   numerical grade	Modul level	graduate					
	Course	S		V (3) ·	+ R (1)								
				If a w form the le Langu	on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Approval from examination committee required.									
11-CSNM-212-m01		ed Top	ics in Qua	ntum <sup>-</sup>	Technology								
	ECTS	6	Duration	1	1 semester	Method of grading   numerical grade	Modul level	graduate					
	Course	S		V (3) + R (1) Module taught in: German or English									
	Method	l of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English									
	other prerequisites			Appro	oval from examination	on committee required.							

Summer Term 202	3 (o ECTS	S credit	s)										
11-CSEM6-152-m01	Selecte	d Topic	s in Energ	y and Mate	rial Science	e							
	ECTS	6	Duration	ı 1 sei	mester	Method of grading   nume	rical grade	Modul level	undergraduate				
	Course	S		V (3) + R (1)				·					
	Method	d of ass	essment	amination in on/talk (ap If a written form of an other lectures	tten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatifialk (approx. 30 minutes).  Written examination was chosen as method of assessment, this may be changed and assessment may instead take the most an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, electurer must inform students about this by four weeks prior to the original examination date at the latest.  Inguage of assessment: German and/or English								
	other prerequisites					ation committee required.							
11-CSF6-152-m01				State Phys									
,	$\overline{}$	6	Duration		mester	Method of grading nume	rical grade	Modul level	undergraduate				
	Course	 S		V (3) + R (1)									
	Method of assessment			amination in on/talk (ap If a written form of an other lectures	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chang the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other prerequisites			Approval from examination committee required.									
11-CSFM-161-m01		ed Top	ics in Soli	d State Phy	sics								
	ECTS	6	Duration		mester	Method of grading nume	rical grade	Modul level	graduate				
	Course			V (3) + R (1)									
	Method	d of ass	essment	oral examin presentation If a written form of an of the lecture	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) oresentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequi	sites	Approval fr	om examin	ation committee required.							

11-CSNM-212-m01	Advanced Topics in Quantum Technology												
	ECTS	6 Durat	on	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			V (3) + R (1) Module taught in: German or English									
	Method	of assessmen	amin on/t If a v form the	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English									
		erequisites		roval from examin	ation committee require	ed.							
11-CSPM-161-mo1		ed Topics in Pl	<u> </u>										
	ECTS	6 Durat		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			) + R (1)				(approx. 30 minutes) or oral ex-					
			on/t If a v form the Lang	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English									
		erequisites		Approval from examination committee required.									
11-EXN5-212-m01		Topics in Qua	_	echnology									
		5 Durat		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			V (2) + R (2) Module taught in: German or English									
			ami on/i If a v form the Lang	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English  Approval from examination committee required.									
	otner pr	erequisites	App	rovai from examin	ation committee require	ea.							

11-EXN6-212-m01	Current Topics in Quantum Technology											
	ECTS	6	Duration	n 1 semester	Meth	nod of grading numeric	cal grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in:	/ (3) + R (1) Module taught in: German or English							
	Method	d of ass	essment	amination in grou on/talk (approx. 3 If a written examination of an oral examination the lecturer must	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  To a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ne lecturer must inform students about this by four weeks prior to the original examination date at the latest.  To anguage of assessment: German and/or English							
	other p	rerequi	sites	Approval from exa	mination con	ımittee required.						
11-EXN6A-212-m01	Current	t Topics	in Quant	um Technology	•			'				
	ECTS	6	Duration	n 1 semester	Meth	nod of grading numeric	cal grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English								
	Method of assessment			amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Approval from examination committee required.								
11-EXN7-212-m01	Current Topics in Quantum Technology											
	ECTS	7	Duration		Meth	nod of grading numeric	cal grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English								
			essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English  Approval from examination committee required.								
	other p	rerequi	sites	Approval from exa	mination com	mittee required.						

11-EXN8-212-m01	Current	Topics	in Quant	um Te	chnology		<del></del>					
	ECTS	8	Duration	n	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S			V (4) + R (2) Module taught in: German or English							
	Method	l of ass	essment	amina on/ta If a w form the le	ation in groups (gro lk (approx. 30 minu ritten examination v of an oral examinat ecturer must inform	prox. 90 to 120 minutes) or oral examination of rups of 2, approx. 30 minutes per candidate) or utes).  was chosen as method of assessment, this may ion of one candidate each or an oral examination students about this by four weeks prior to the cast of the c	project report (appro y be changed and ass on in groups. If the m	x. 8 to 10 pages) or presentati- sessment may instead take the ethod of assessment is changed,				
	other p				oval from examinati	on committee required.						
11-EXP5-161-m01			in Physil					,				
		5	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course		,	` ′	+ R (2)							
	Method	i or ass	essment	amina on/ta If a w form the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or or amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or preson/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead ta form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is of the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p			Approval from examination committee required.								
11-EXP6-161-m01		<u> </u>	in Physil	(								
	ECTS	6	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course				+ R (1)							
	Method	l of ass	essment	oral e prese If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites	Appro	oval from examinati	on committee required.	_					

11-EXP8-161-m01	Current	Topics	in Physik	ζ										
	ECTS	8	Duration	ı	1 semester	Method of grading   numerical grade	Modul level	graduate						
	Course	S		V (4)	(4) + R (2)									
	Method	l of ass	essment	amin on/ta If a w form the le	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral ex- nination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentati- n/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the  note of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed  e lecturer must inform students about this by four weeks prior to the original examination date at the latest.  In guage of assessment: German and/or English									
	other p	rerequi	sites	Appro	oval from examinat	ion committee required.								
Winter Term 2022	(o ECTS o													
11-EXP6-161-m01	Current	t Topics	in Physik	(										
	ECTS	6	Duration	ı	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S		V (3)	+ R (1)		·							
	Method	1 OI d55	essmem	oral e prese If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) of presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take to form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chat the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English									
	other prerequisites			Appro	Approval from examination committee required.									
11-EXP5-161-m01		t Topics	in Physik	(										
	ECTS	5	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate						
	Course		_	` ′	+ R (2)									
				written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English										
	other p	rerequi	sites	Approval from examination committee required.										

11-EXP8-161-m01	Current Topics in Physik												
	ECTS 8	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	·	V (4) + R (2)										
	Method of ass	sessment	amination in groups on/talk (approx. 30 r If a written examinat	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed,									
			the lecturer must info Language of assessn	orm students about this by four weeks prio nent: German and/or English									
	other prerequi			nation committee required.	,								
11-EXN5-212-m01			um Technology										
	ECTS 5	Duratio		Method of grading   numerical grade	Modul level	graduate							
	Courses		V (2) + R (2) Module taught in: Ge	/ (2) + R (2) Module taught in: German or English									
	Method of ass	sessment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English										
	other prerequi	isites	Approval from examination committee required.										
11-EXN6-212-m01	Current Topics	s in Quant	um Technology										
	ECTS 6	Duratio		Method of grading   numerical grade	Modul level	graduate							
	Courses		V (3) + R (1) Module taught in: German or English										
			written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English										
	other prerequi	isites	Approval from exami	nation committee required.									

11-EXN7-212-m01	Current Topics in Quantum Technology												
	ECTS	7	Duration	ı	1 semester	Method of gra	nding numerical gr	ade	Modul level	graduate			
	Course	S	·	V (3) - Modu	+ R (1) lle taught in: Ger	man or English	·		•				
	Method	d of ass	essment	amina on/ta If a wi form o the le	ritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentatin/talk (approx. 30 minutes).  To a written examination was chosen as method of assessment, this may be changed and assessment may instead take the orm of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ne lecturer must inform students about this by four weeks prior to the original examination date at the latest.  To anguage of assessment: German and/or English								
	other p	rerequi	isites	Appro	oval from examin	ation committee re	equired.						
11-EXN8-212-m01	Current	t Topics	s in Quant	um Tec	chnology								
	ECTS	8	Duration	ı	1 semester	Method of gra	nding numerical gr	ade	Modul level	graduate			
	Course	S			(4) + R (2) Nodule taught in: German or English								
	metrio		essment	amina on/ta If a wr form o the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	isites	Approval from examination committee required.									
11-EXN6A-212-m01		t Topics	s in Quant	um Tec	chnology								
	ECTS	6	Duration		1 semester	Method of gra	nding numerical gr	ade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English									
			essment	amina on/ta If a wi form o the le Langu	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English  Approval from examination committee required.								
	other prerequisites			Appro	oval from examin	ation committee re	equired.		,				

11-CSEM6-152-mo1	Selected Topics in Energy and Material Science											
	ECTS	6	Duration		1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S		V (3)	+ R (1)			-				
	Method	d of ass	essment	amin on/ta If a w form the le	ation in groups (gro alk (approx. 30 minu ritten examination of of an oral examinat ecturer must inform	prox. 90 to 120 minutes) or oral examination of one ups of 2, approx. 30 minutes per candidate) or projutes).  was chosen as method of assessment, this may be ion of one candidate each or an oral examination ir students about this by four weeks prior to the originates.	ect report (appro changed and ass groups. If the m	x. 8 to 10 pages) or presentati- sessment may instead take the ethod of assessment is changed,				
	other p	rerequi	isites	Appr	oval from examinati	on committee required.						
11-CSF6-152-m01	Selecte	ed Topio	cs in Solid	State	Physics							
	ECTS 6 Duration			i i	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S		V (3)	) + R (1)							
				on/ta If a w form the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
	other p	rerequi	isites	Approval from examination committee required.								
11-CSFM-161-m01	Advanc	ed Top	ics in Soli	d Stat	e Physics							
	ECTS	6	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S		V (3) + R (1)								
	Method of assessment			oral oral oral oral oral oral oral oral	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	isites	Appr	oval from examinati	on committee required.						

11-CSPM-161-m01	Advanced Topics in Physics												
	ECTS	6 [	Duration		1 semester	Method of gradir	ng numerical grade		Modul level	graduate			
	Courses	5		V (3) -	+ R (1)								
	Method	of asses		amina on/ta If a wr form o the le	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other pr	rerequisit	es	Appro	oval from examin	ation committee requ	ired.						
11-CSNM-212-m01					Technology								
	ECTS	6 [	Duration	J	1 semester	Method of gradir	ng numerical grade		Modul level	graduate			
	Courses	5			V (3) + R (1) Module taught in: German or English								
	Method	d of asses		written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English									
	other pr	rerequisit	es	Approval from examination committee required.									
Summer Term 2024	(o ECTS credits)												
11-EXP6-161-m01	Current	Topics in	n Physik										
	ECTS	6 [	Duration		1 semester	Method of gradir	ng numerical grade		Modul level	graduate			
	Courses	S		V (3) -	+ R (1)								
	Method	of asses		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English									
	other pr	rerequisit	es	Appro	oval from examin	ation committee requ	ired.						

	Current Topics in Physik										
	ECTS 5 Duration		n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	·	V (2)	V (2) + R (2)						
	Method	d of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p				oval from examination	on committee required.					
11-EXP8-161-m01			in Physil	<							
	ECTS	8	Duration	n	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (4)	+ R (2)						
				on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
	other p	rerequi	sites	Approval from examination committee required.							
11-EXN5-212-m01		Topics	in Quant	um Te	chnology						
	ECTS	5	Duration	n	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (2) + R (2) Module taught in: German or English							
	Method	d of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
				Langi	uage of assessment	: German and/or English					

11-EXN6-212-m01	Current Topics in Quantum Technology											
	ECTS 6 Duration			1	1 semester	Method of grad	ling numerical grade		Modul level	graduate		
	Course	S	_	V (3) + R (1) Module taught in: German or English								
	Method	d of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	val from examin	ation committee rec	uired.					
11-EXN7-212-mo1	Current	Topics	in Quant	um Tec	hnology							
	ECTS	7	Duration	ו	1 semester	Method of grad	ling   numerical grade		Modul level	graduate		
	Course	S		V (3) + R (1) Module taught in: German or English								
	Wethor		essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Approval from examination committee required.								
11-EXN8-212-m01	Current Topics in Quantum Technology											
	ECTS	8	Duration		1 semester	Method of grad	ling numerical grade		Modul level	graduate		
	Course	S		V (4) + R (2) Module taught in: German or English								
			essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequi	sites	Appro	val from examin	ation committee rec	juired.					

11-EXN6A-212-m01	Current Topics in Quantum Technology											
	ECTS 6 Duration			1 :	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English								
	Method	d of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequi	isites	Approv	al from examinatio	on committee require	d.					
11-CSEM6-152-mo1	Selected Topics in Energy and Material Science											
	ECTS	6	Duration	າ :	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (3) +	V (3) + R (1)							
	metnoc	or ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequi	isites	Approval from examination committee required.								
11-CSF6-152-m01	Selecte	d Topic	cs in Solid	State Physics								
	ECTS 6 Duratio			າ :	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course			V (3) +								
	Method	d of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English								
	other p	rerequi	isites	Approv	al from examinatio	on committee require	d.					

11-CSFM-161-m01	Advanced Topics in Solid State Physics										
	ECTS 6 Duration			า	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (3) ·	V (3) + R (1)						
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
	other p				Approval from examination committee required.						
11-CSPM-161-m01			ics in Phy	sics							
	ECTS 6 Duration				1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (3) ·	+ R (1)						
				on/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
	other p	rerequi	sites	Approval from examination committee required.							
11-CSNM-212-m01	Advanc										
	ECTS	6	Duration	1	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: German or English							
	Method	l of ass	essment	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English							
	other p	rerequi	sites	Appro	Approval from examination committee required.						