

## **Annex SFB**

## Studienfachbeschreibung (subject description, SFB) for Module studies (Bachelor) **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		Duratio	n	(in semesters)	Method of grading		Module level	
		Courses		Т	o be spe	cified in the form X (	(y) with course type λ	Cabbreviated as specified abo	ve and number of we	ekly contact hours y
		Method of as	sessme	ent						
•	,			•						

	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	credits)										
11-BXP8-152-m01	Curren	t Topics	in Physic	:s								
	ECTS	8	Duration	ı	1 semester	Method of grading numerical grade		Modul level	undergraduate			
	Course	!S		V (4) -	/ (4) + R (2)							
	Method	d of ass	essment	amina on/ta If a wi 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 p	rerequi	sites	Appro	val from examina	ition committee required.						
11-BXP6-152-m01	Curren	t Topics	in Physic	S	,			•				
	ECTS	6	Duration	ı	1 semester	Method of grading numerical grade		Modul level	undergraduate			
	Courses			V (3) -	(3) + R (1)							
	Method of assessment			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							
		rerequi	1	Approval from examination committee required.								
11-BXP5-152-m01		t Topics	Physics									
	ECTS	5	Duration		1 semester	Method of grading   numerical grade		Modul level	undergraduate			
	Course			V (2) -								
	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	val from examina	tion committee required.						

11-BXN5-212-m01	Current	Topics	in Quant	um Te	chnology						
		5	Duration		1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Courses	S		V (2)	+ R (2)		•	•			
	Method	l of ass	essment	amin tion/ sessr thod date	Written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, 30 minutes per candidate) or report on practical course (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 mehod of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination late at the latest.  anguage of assessment: German and/or English						
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.					
11-BXN6-212-m01	Current	Topics	in Quant	um Te	chnology						
	ECTS	6	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	S		V (3)	+ R (1)						
				tion/ sessr thod date Lange	oprox. 8 to 10 pages) or presenta- nt, this may be changed and as- examination in groups. If the me- prior to the original examination						
	Additional Information			Approval from examination committee required.							
11-BXN8-212-m01	Current	Topics	in Quant	um Te	um Technology						
	ECTS	8	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Courses	S		V (4) + R (2)							
	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, 30 minutes per candidate) or report on practical course (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							
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.					

11-CSEM6-152-m01	Selecte	ed Topic	s in Ener	ev and	Material Science						
	ECTS	6	Duration		1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Course	<u> </u>	Ų	V (3)	+ R (1)		•	-			
	Method	d of ass	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 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	sites	Appro	oval from examinati	on committee required.					
11-CSF6-152-m01	Selecte	ed Topio	s in Solid	State	Physics						
	ECTS	6	Duratio	า	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses			V (3)	+ R (1)		*	•			
				on/ta If a w form the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English						
	other p	rerequi	sites	Approval from examination committee required.							
11-CSN6-212-m01	Selecte	ed Topi	s in Quar	tum T	echnology						
	ECTS	6	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Course	S		V (3) + R (1)							
	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, 30 minutes per candidate) or report on practical course (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							
	Additio	nal Info	rmation	Appr	oval from examinati	on committee required.					

Summer Term 2022	2 (o ECTS	S credit	s)								
11-BXP8-152-m01	Current	t Topics	in Physic	:s							
	ECTS	8	Duration	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S		V (4) + R (2)	·						
	Method	d of ass	essment	amination in groups ( on/talk (approx. 30 m If a written examination form of an oral exami the lecturer must info	written 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 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.  The anguage of assessment: German and/or English						
	other p	rerequi	sites	Approval from examir	nation committee required.	,					
11-BXP6-152-m01	Current	t Topics	in Physic	:s	·	'					
	ECTS	6	Duration	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Courses			V (3) + R (1)	(3) + R (1)						
	Method of assessment			amination in groups ( on/talk (approx. 30 m If a written examination form of an oral exami the lecturer must info Language of assessm	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 chan 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-BXP5-152-m01		t Topics	Physics								
	ECTS	5	Duration		Method of grading   numerical grade	Modul level	undergraduate				
	Course		,	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	rerequi	sites	Approval from examir	nation committee required.						

11-BXN5-212-m01	Current	t Topics	in Quant	um Te	chnology							
	ECTS	5	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S	•	V (2)	V (2) + R (2)							
	Method	d of ass	essment	amination/sessr thod date	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, 30 minutes per candidate) or report on practical course (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							
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.						
11-BXN6-212-m01	Current	t Topics	s in Quant	um Te	chnology		,					
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course				+ R (1)		,					
	Method of assessment			amination/isessrithod date Lange	amination in groups (groups of 2, 30 minutes per candidate) or report on practical course (approx. 8 to 10 pages) or prese tion/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and a sessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the thod of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.  Language of assessment: German and/or English							
				Approval from examination committee required.								
11-BXN8-212-m01			s in Quant	um Technology								
	ECTS	8	Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course			- 1	+ 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, 30 minutes per candidate) or report on practical course (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								
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.						

11-CSEM6-152-m01	Selecte	ed Topi	cs in Energ	gy and	Material Science						
_	ECTS	6	Duration	1	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	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.					
11-CSF6-152-m01	Selecte	d Topi	cs in Solid	State	Physics						
	ECTS 6 Duration			1	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-CSN6-212-m01	Selecte	ed Topi	cs in Quar	ntum Technology							
	ECTS	6	Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Course			V (3) + R (1)							
	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, 30 minutes per candidate) or report on practical course (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							
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.					

Winter Term 2022	(o ECTS	credits)										
11-BXP8-152-m01	Curren	t Topics	in Physic	:s								
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	.s	•	V (4)	V (4) + R (2)							
	Method	d of asso	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 examina	tion committee required.						
11-BXP6-152-m01	Curren	t Topics	in Physic	:s								
	ECTS	6	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses			V (3)	(3) + R (1)							
	Method of assessment			amina on/ta If a w form the le Langu	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  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							
		rerequi		Approval from examination committee required.								
11-BXP5-152-m01		t Topics	Physics									
	ECTS	5	Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course		_	` ′	+ R (2)							
	Method	d of asso	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 examina	tion committee required.						

11-BXN5-212-m01	Current	Topics	in Quant	um Te	chnology						
		5	Duration		1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Courses	S		V (2)	+ R (2)		•	•			
	Method	l of ass	essment	amin tion/ sessr thod date	Written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral exmination in groups (groups of 2, 30 minutes per candidate) or report on practical course (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 mehod of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination late at the latest.  anguage of assessment: German and/or English						
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.					
11-BXN6-212-m01	Current	Topics	in Quant	um Te	chnology						
	ECTS	6	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	S		V (3)	+ R (1)						
				tion/ sessr thod date Lange	oprox. 8 to 10 pages) or presenta- nt, this may be changed and as- examination in groups. If the me- prior to the original examination						
	Additional Information			Approval from examination committee required.							
11-BXN8-212-m01	Current	Topics	in Quant	um Te	um Technology						
	ECTS	8	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Courses	S		V (4) + R (2)							
	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, 30 minutes per candidate) or report on practical course (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							
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.					

11-CSEM6-152-m01	Selecte	d Topic	cs in Energ	gy and	d Material Science	e					
_	ECTS	6	Duration	1	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	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 p	rerequi	sites	Appr	oval from examin	ation committee required.					
11-CSF6-152-m01	Selected Topics in Solid				Physics		,				
	ECTS 6 Duratio			1	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 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 chathe 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-CSN6-212-m01	Selecte	ed Topic	cs in Quan	tum 1	Technology						
	ECTS	6	Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Course	S		V (3) + R (1)							
	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, 30 minutes per candidate) or report on practical course (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							
	Additio	nal Info	ormation	Appr	oval from examin	ation committee required.					

Summer Term 2023	(o ECTS credits)										
11-BXN5-212-m01	<b>Current Topics in</b>	Quanti	ım Technology								
	ECTS 5 D	uration	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses		V (2) + R (2)	·							
	Method of assess		amination in groups (gition/talk (approx. 30 risessment may instead thod of assessment is date at the latest.	Vritten examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, 30 minutes per candidate) or report on practical course (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 mehod of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination late at the latest.  anguage of assessment: German and/or English							
	Additional Inform	nation	Approval from examin	ation committee required.							
11-BXN6-212-m01	<b>Current Topics in</b>	Quanti	ım Technology								
	ECTS 6 D	uration	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses		V (3) + R (1)	·	<del>-</del>						
			amination in groups (gition/talk (approx. 30 risessment may instead thod of assessment is date at the latest. Language of assessment	approx. 90 to 120 minutes) or oral examination ogroups of 2, 30 minutes per candidate) or report minutes). If a written examination was chosen as ditake the form of an oral examination of one can changed, the lecturer must inform students abount: German and/or English	on practical course (a method of assessme didate each or an ora	pprox. 8 to 10 pages) or presenta- nt, this may be changed and as- l examination in groups. If the me-					
			Approval from examination committee required.								
11-BXN8-212-m01	Current Topics in	Quantı	ım Technology								
	ECTS 8 D	Ouration		Method of grading   numerical grade	Modul level	undergraduate					
	Courses		V (4) + R (2)								
			amination in groups (gition/talk (approx. 30 r If a written examination form of an oral examination the lecturer must infor Language of assessments.	on was chosen as method of assessment, this manation of one candidate each or an oral examinat rom students about this by four weeks prior to the ent: German and/or English	on practical course (a ay be changed and as: ion in groups. If the m	pprox. 8 to 10 pages) or presenta- sessment may instead take the nethod of assessment is changed,					
	Additional Inform	nation	Approval from examin	ation committee required.							

11-BXP5-152-mo1	Current Topics Physics												
	ECTS 5 Duration			1 semester	Method of grading   numerical grade	Modul level	undergraduate						
	Courses	S		V (2)	+ R (2)		•	•					
	Method of assessment			aming 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-BXP6-152-m01	Current	Topics	in Physic	:s									
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses	S		V (3)	+ R (1)								
				on/ta If a w form the le	amination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English								
	other p	rerequi	sites	Approval from examination committee required.									
11-BXP8-152-m01			in Physic	S									
	ECTS	8	Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate					
	Courses			V (4) + R (2)									
	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	oval from examination	on committee required.							

11-CSN6-212-m01	Selected Topics in Quantum Technology												
	ECTS	6 Duratio	n	1 semester	Method of grading   numerical grade	Modul level	undergraduate						
	Courses	•	V (3) +	(3) + R (1)									
	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, 30 minutes per candidate) or report on practical course (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										
	Addition	al Information	Appro	val from examinat	ion committee required.								
Winter Term 2023	o ECTS credits)												
11-BXP8-152-m01	Current '	Topics in Physic	cs										
	ECTS	8 Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate						
	Courses		V (4) +	· R (2)		·							
	Metriod	oi assessinent	amina on/tal If a wr form o the led 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									
		erequisites		val from examinat	ion committee required.								
11-BXP6-152-m01		Topics in Physic	cs	S									
	ECTS	6 Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate						
	Courses		V (3) +										
	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										
	other pre	erequisites	Appro	Approval from examination committee required.									

11-BXP5-152-m01	Current Topics Physics												
	ECTS 5 Duration		n	1 semester	Method of grading   numerical grade	Modul level	undergraduate						
	Courses			V (2)	+ R (2)	•							
	Method of assessment			written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).  If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, 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 examinati	on committee required.							
11-BXN5-212-m01	Current	t Topics	in Quant	um Te	chnology		,						
	ECTS 5 Duration		Duratio	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate					
	Course	S		V (2)	+ R (2)								
				amination in groups (groups of 2, 30 minutes per candidate) or report on practical course (approx. 8 to 10 page tion/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be cha sessment may instead take the form of an oral examination of one candidate each or an oral examination in groups thod of assessment is changed, the lecturer must inform students about this by four weeks prior to the original date at the latest.  Language of assessment: German and/or English									
	Additio	nal Info	ormation	Approval from examination committee required.									
11-BXN6-212-m01	Current Topics in Quantum Technology												
	ECTS	6	Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate					
	Course			V (3) + R (1)									
				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, 30 minutes per candidate) or report on practical course (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									
	Additio	nal Info	rmation	Appr	oval from examinati	on committee required.							

11-BXN8-212-m01	Current Topics in Quantum Technology												
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			V (4) ·	V (4) + R (2)								
	Method	d of asso	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, 30 minutes per candidate) or report on practical course (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									
	Additio	nal Info	rmation		Approval from examination committee required.								
11-CSN6-212-m01	Selected Topics in Quantum Technology												
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S	•	V (3) -	+ R (1)			•					
				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, 30 minutes per candidate) or report on practical course (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.									
Summer Term 2022													
11-BXP8-152-m01			in Physic										
		8	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course			V (4)			<u> </u>						
	Method	d of asse	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	rerequis	sites	Appro	oval from examinat	ion committee required	d.						

11-BXP6-152-m01	Current Topics in Physics											
	ECTS	6	Duration		1 semester	Method of grading   numerical grade	Modul level	undergraduate				
				V (3) ·	+ R (1)		•					
				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-BXP5-152-m01	Current	t Topics	Physics									
	ECTS 5 Duratio		Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course	S		V (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-BXN5-212-m01	Current Topics in Quantum Technology											
	ECTS	5	Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Course			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, 30 minutes per candidate) or report on practical course (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								
	Additio	nal Info	rmation	Appro	oval from examination	on committee required.						

11-BXN6-212-m01	Current Topics in Quantum Technology												
	ECTS	6	Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate					
	Method of assessment			V (3)	+ R (1)	,	•						
				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, 30 minutes per candidate) or report on practical course (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									
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.							
11-BXN8-212-m01	Current	t Topics	in Quant	um Te	chnology								
	ECTS	8	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	S		V (4)	+ R (2)								
				amination in groups (groups of 2, 30 minutes per candidate) or report on practical course (approx. 8 to 10 pages) of tion/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									
	Additio	nal Info	ormation	Approval from examination committee required.									
11-CSN6-212-m01	Selected Topics in Quantum Technology												
	ECTS	6	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	S		V (3) + R (1)									
	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, 30 minutes per candidate) or report on practical course (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									
	Additio	nal Info	ormation	Appro	oval from examination	on committee required.							