

Module Catalogue

for the Module studies (Bachelor)

Nanostructure Technology

Examination regulations version: 2019 Responsible: Faculty of Physics and Astronomy

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The subject is divided into

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Abbreviations used

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

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

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

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

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

Conventions

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

Notes

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

Should the 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)



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o9-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)
07-Aug-2024 (2024-82)
22-Jan-2025 (2025-1)
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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.



Summer Term 2019

(ECTS credits)



Module title					Abbreviation
Curren	t Topics	s in Nanostructure Techn	ology		11-BXN5-152-m01
Module coordinator				Module offered by	
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)	
5	5 numerical grade				
Duratio	n	Module level	Other prerequisites		
1 seme	ster	undergraduate	Approval from exam	ination committee r	required.
Contents					
Current or stud			. Accredited academi	c achievements, e.g	. in case of change of university
Intend	ed learı	ning outcomes			
nology ledge.	or nand They ar		nd the measuring and ject-specific contexts	l evaluation method and know the appl	odiscipline of nanostructure tech- ls necessary to acquire this know- ication areas.
V (2) +		lumber of weekly contact nours, i	anguage — ir otner than Ger	man)	
Metho	d of ass		${\sf ge-if}$ other than German, ${\sf otherwise}$	examination offered — if n	ot every semester, information on whether
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					
Allocat	ion of p	olaces			
Additio	nal inf	ormation			
Worklo	ad				
150 h					
Teachi	ng cycl	e			



Module	title			Abbreviation			
Current	Current Topics in Nanostructure Technology 11-BXN6-152-mo1						
Module	coord	inator		Module offered by			
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	pl. of module(s)			
6 numerical grade			-				
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	ts						
Current or stud			. Accredited academi	c achievements, e.g	. in case of change of university		
Intende	ed lear	ning outcomes					
Techno nology ledge.	logy of or nan They ar	the Bachelor's programr o sciences and understar e able to classify the sub	ne. They have knowle nd the measuring and ject-specific contexts	edge of a current sub I evaluation method Is and know the appli	of a module of Nanostructure odiscipline of nanostructure techs necessary to acquire this knowication areas.		
		number of weekly contact hours, l	anguage — if other than Ger	man)			
V (3) +							
		Gessment (type, scope, langua le for bonus)	ge — if other than German, (examination offered — if no	ot every semester, information on whether		
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							
Allocat	ion of p	olaces					
Additional information							
Worklo	ad						
180 h							
Teachi	ng cycl	e					
i							



Module	title			Abbreviation			
Current	Current Topics in Nanostructure Technology 11-BXN8-152-mo1						
Module	coord	inator		Module offered by			
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	pl. of module(s)			
8 numerical grade			-				
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	ts						
Current or stud			. Accredited academi	c achievements, e.g	. in case of change of university		
Intende	ed lear	ning outcomes					
nology ledge.	or nan They ar	o sciences and understar e able to classify the sub	nd the measuring and ject-specific contexts	l evaluation method and know the appli	odiscipline of nanostructure techs s necessary to acquire this know- ication areas.		
		number of weekly contact hours, l	anguage — if other than Ger	man)			
V (4) +							
		sessment (type, scope, langua le for bonus)	ge — if other than German, (examination offered — if no	ot every semester, information on whether		
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							
Allocat	ion of p	olaces					
Additional information							
Worklo	ad						
240 h							
Teachi	ng cycl	e					



Module title					Abbreviation
Current	Topic	s in Physics			11-BXP8-152-m01
Module	coord	inator		Module offered by	
chairpe	erson o	f examination commi	ttee	Faculty of Physics a	and Astronomy
ECTS	Meth	od of grading	Only after succ. cor	npl. of module(s)	
8	numerical grade				
Duratio	n	Module level	Other prerequisites		
1 seme	ster	undergraduate	Approval from exan	nination committee r	equired.
Conten	ts		,		
		s of Experimental and versity or study abroa		redited academic ac	hievements, e.g. in case of
Intend	ed lear	ning outcomes			
knowle Course	dge. Tl s (type, 1	ney are able to classi	fy the subject-specific co	ntexts and know the	hods necessary to acquire this application areas.
V (4) +					
		sessment (type, scope, la ble for bonus)	inguage — if other than German,	examination offered — if no	ot every semester, information on whether
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					
Allocat	ion of	places			
Additional information					
Worklo	ad				
240 h					



www	e title			Abbreviation	
Current Topics in Physics					11-BXP6-152-m01
Module coordinator				Module offered by	
chairpe	erson o	f examination committee	2	Faculty of Physics	and Astronomy
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)	
6	nume	rical grade			
Duratio	on	Module level	Other prerequisites	i	
1 seme	ster	undergraduate	Approval from exam	nination committee i	required.
Contents					
		s of Experimental and The versity or study abroad.	eoretical Physics. Acc	redited academic ac	chievements, e.g. in case of
Intend	ed lear	ning outcomes			
The students have advanced competencies corresponding to the requirements of a module of Experimental or Theoretical Physics of the Bachelor's programme of Nanostructure Technology. They have knowledge of a current subdiscipline of Physics and understand the measuring and/or calculation methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts and know the application areas.					
Theore subdis	cipline		nd the measuring and	d/or calculation met	hods necessary to acquire this
Theore subdis knowle	cipline dge. Tl		nd the measuring and ne subject-specific co	d/or calculation met ntexts and know the	hods necessary to acquire this
Theore subdis knowle	cipline edge. Tl s (type, 1	ney are able to classify th	nd the measuring and ne subject-specific co	d/or calculation met ntexts and know the	hods necessary to acquire this
Theore subdis knowle Course V (3) + Metho	cipline edge. The s (type, 1 R (1) d of ass	ney are able to classify th	nd the measuring and ne subject-specific co language — if other than Gel	d/or calculation met ntexts and know the	hods necessary to acquire this

stead 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

Allocation of places
Additional information
Workload

Teaching cycle

180 h



Module title Abbreviation							
		s Physics			11-BXP5-152-mo1		
Module	e coord	linator		Module offered by			
chairperson of examination committee				Faculty of Physics a	and Astronomy		
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	on .	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	its						
Intendo The stu Theore subdis knowle	ed lear idents tical Ph cipline edge. Tl	nysics of the Bachelor's p	rogramme of Nanosti nd the measuring and e subject-specific co	ructure Technology. d/or calculation metl ntexts and know the	of a module of Experimental or They have knowledge of a curren hods necessary to acquire this application areas.		
V (2) +	R (2)						
			ge — if other than German,	examination offered — if no	ot every semester, information on whether		
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							

Allocation of places

Additional information

Workload

150 h

Teaching cycle



Modul	e title				Abbreviation	
Selecto	Selected Topics in Energy and Material Science				11-CSEM6-152-m01	
Modul	Module coordinator			Module offered by		
chairperson of examination committee			!	Faculty of Physics a	and Astronomy	
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)		
6	numerical grade					
Duratio	on	Module level	Other prerequisites	tes		
1 seme	ster	undergraduate	Approval from exam	ination committee re	equired.	
Conter	nts					
Selecte	ed topic	cs of energy and material	s research.			
Intend	ed learı	ning outcomes				
tion me	ethods				stand the measuring and evalua- subject-specific contexts and	
Course	S (type, r	number of weekly contact hours, l	language — if other than Ger	rman)		
V (3) +	R (1)					
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
or oral pages) If a wri stead to f assentation	examin or pres tten exa ake the essmen date at	nation in groups (groups of sentation/talk (approx. 30 amination was chosen as a form of an oral examina	of 2, approx. 30 minu o minutes). s method of assessmo tion of one candidate r must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) or project report (approx. 8 to 10 mged and assessment may inmination in groups. If the method weeks prior to the original exami-	
Allocat	tion of p	olaces	,			
Additio	onal inf	ormation				
	_					
Worklo	ad					
180 h						
Teachi	ng cycl	e				
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	mmes)		
	_					



Modul	e title	,			Abbreviation
Selecto	ed Topi	cs in Solid State Physics			11-CSF6-152-m01
Modul	Module coordinator			Module offered by	
chairpe	erson o	f examination committee		Faculty of Physics a	ind Astronomy
ECTS	Metho	od of grading	Only after succ. con	ipl. of module(s)	
6	numerical grade				
Duratio	on	Module level	Other prerequisites		
1 seme	ester	undergraduate	Approval from exam	ination committee r	equired.
Contents					
Selecte	ed topio	s of Solid-State Physics.			
Intend	ed lear	ning outcomes			
and ev	aluatio				nd understand the measuring classify the subject-specific con-
Course	es (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)	
V (3) +	R (1)				
		sessment (type, scope, langua le for bonus)	ge — if other than German, (examination offered — if no	ot every semester, information on whether
or oral pages) If a wri stead t of asse nation Langua	examin or pres tten exa take the essmen date at age of a	nation in groups (groups of sentation/talk (approx. 30 amination was chosen as a form of an oral examina t is changed, the lecturer the latest. ssessment: German and	of 2, approx. 30 minu o minutes). o method of assessme tion of one candidate o must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) r project report (approx. 8 to 10 nged and assessment may inmination in groups. If the method weeks prior to the original exami-
Allocat	tion of p	olaces			
Additio	onal inf	ormation			
Worklo	ad				
180 h	-				
Teachi	ng cycl	e			
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	mmes)	



Module title					Abbreviation		
Selecte	ed Topi	cs in Nanostructure Tech	nology		11-CSN6-152-m01		
Module	e coord	inator		Module offered by			
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy		
ECTS	Metho	hod of grading Only after succ. compl. of module(s)					
6	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Contents							
Selecte	ed topio	cs of nanostructure techn	ology.				
Intend	ed lear	ning outcomes					
technic	cal met	•			nnology and of the scientific or fy the subject-specific contexts		
Course	S (type, r	number of weekly contact hours,	language — if other than Ger	rman)			
V (3) +	R (1)						
		sessment (type, scope, langua le for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
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							
Allocat	tion of p	olaces					
Additio	nal inf	ormation					
Worklo	ad						
180 h	_						
Teachi	ng cycl	e					
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	mmes)			



Winter Term 2019

(ECTS credits)



Module	e title				Abbreviation		
Curren	Current Topics in Nanostructure Technology 11-BXN5-152-mo1						
Module	e coord	inator		Module offered by	-		
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	ts		•				
Curren or stud	•		. Accredited academi	c achievements, e.g	in case of change of university		
Intend	ed lear	ning outcomes					
nology ledge.	or nan They ar		nd the measuring and ject-specific contexts	d evaluation method and know the appl	odiscipline of nanostructure tech- ls necessary to acquire this know- ication areas.		
V (2) +	R (2)						
			ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
Additional information							
Worklo	ad						
150 h	150 h						
Teaching cycle							
	-						



Module	e title			Abbreviation			
Curren	Current Topics in Nanostructure Technology 11-BXN6-152-mo1						
Module	e coord	inator		Module offered by	-		
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)			
6	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	its						
Curren or stud	•		. Accredited academi	c achievements, e.g	in case of change of university		
Intend	ed learı	ning outcomes					
nology ledge.	or nan They ar		nd the measuring and ject-specific contexts	d evaluation method and know the appl	odiscipline of nanostructure tech- ls necessary to acquire this know- ication areas.		
V (3) +	R (1)						
			ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
							
Additional information							
Worklo	ad						
180 h	180 h						
Teaching cycle							
	-						



Module	Module title Abbreviation						
Curren	Current Topics in Nanostructure Technology 11-BXN8-152-mo1						
Module	e coord	inator		Module offered by			
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy		
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)			
8	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	its						
Current or stud			. Accredited academi	c achievements, e.g	, in case of change of university		
Intend	ed lear	ning outcomes					
nology ledge.	or nan They ar	o sciences and understance able to classify the sub	nd the measuring and ject-specific contexts	l evaluation method and know the appl	odiscipline of nanostructure tech- ls necessary to acquire this know- ication areas.		
V (4) +		number of weekly contact hours,	anguage — If other than Ger	man)			
		sessment (type, scope, langua ble for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
or oral pages) If a writ stead t of asse nation	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						
Allocat	ion of p	places					
Additional information							
Workload							
240 h							
Teaching cycle							



Modul	Module title Abbreviation						
	, 	s in Physics			11-BXP8-152-m01		
Curren	Topics	- III I IIysics		r	11-0/1 0-152-11101		
Modul	e coord	inator		Module offered by			
chairpe	erson o	f examination committee	_	Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	pl. of module(s)			
8	•	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ester	undergraduate	Approval from exam	ination committee re	equired.		
Conter	ıts						
		of Experimental and The versity or study abroad.	oretical Physics. Acc	redited academic ac	hievements, e.g. in case of		
Intend	ed lear	ning outcomes					
knowle Course	edge. The	or Physics and understar ney are able to classify th number of weekly contact hours, l	e subject-specific co	ntexts and know the	hods necessary to acquire this application areas.		
V (4) +	R (2)						
		sessment (type, scope, langua le for bonus)	ge — if other than German, (examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
Additional information							
Worklo	Workload						

240 h

Teaching cycle



W	ÜRZBI	JRG 1	5 (12.)	33 0 2 6	Nanostructure Technology			
Module	Module title Abbreviation							
Current	Current Topics in Physics 11-BXP6-152-mo1							
Module	e coord	inator		Module offered by	l.			
chairpe	erson o	f examination committee	2	Faculty of Physics a	and Astronomy			
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)				
6	nume	rical grade						
Duratio	n	Module level	Other prerequisites					
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.			
Conten	ts							
	•	s of Experimental and The versity or study abroad.	eoretical Physics. Acc	redited academic ac	hievements, e.g. in case of			
Intende	ed lear	ning outcomes						
Theore subdis	tical Ph cipline	nysics of the Bachelor's p	rogramme of Nanost	ructure Technology. ⁻ d/or calculation metl	of a module of Experimental or They have knowledge of a current hods necessary to acquire this application areas.			
Course	S (type, ı	number of weekly contact hours,	language — if other than Ge	rman)				
V (3) +	R (1)							
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)								
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.								

nation date at the latest. Language of assessment: German and/or English

Allocation of places

Additional information

Workload

180 h

Teaching cycle



1 1										
Modul					Abbreviation					
Curren	it Topics	s Physics			11-BXP5-152-m01					
Modul	e coord	inator		Module offered by						
chairp	erson o	f examination committee	_	Faculty of Physics a	and Astronomy					
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)						
5	nume	rical grade								
Durati	on	Module level	Other prerequisites							
1 seme	ester	undergraduate	Approval from exam	ination committee r	equired.					
Conte	nts									
		of Experimental and The versity or study abroad.	oretical Physics. Acc	redited academic ac	hievements, e.g. in case of					
Intend	ed lear	ning outcomes								
	es (type, r	ney are able to classify th	•		application areas.					
Metho	d of ass		ge — if other than German,	examination offered — if no	ot every semester, information on whether					
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										
Allocation of places										
Additional information										
Worklo	oad									
	_									

150 h

Teaching cycle



Modul	Module title Abbreviation						
Selected Topics in Energy and Material Science					11-CSEM6-152-m01		
Modul	e coord	inator		Module offered by	l.		
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)			
6	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee re	equired.		
Conter	nts						
Selecte	ed topic	cs of energy and material	s research.				
Intend	ed learı	ning outcomes					
tion me	ethods				stand the measuring and evalua- subject-specific contexts and		
Course	S (type, r	number of weekly contact hours, l	language — if other than Ger	rman)			
V (3) +	R (1)						
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether		
or oral pages) If a wri stead to f assentation	examin or pres tten exa ake the essmen date at	nation in groups (groups of sentation/talk (approx. 30 amination was chosen as a form of an oral examina	of 2, approx. 30 minu o minutes). s method of assessmo tion of one candidate r must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) or project report (approx. 8 to 10 mged and assessment may inmination in groups. If the method weeks prior to the original exami-		
Allocat	tion of p	olaces	,				
Additio	onal inf	ormation					
Workload							
180 h	180 h						
Teaching cycle							
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						
	2 - Commission regulations of reaching degree programmes)						



Modul	Module title Abbreviation					
Selecto	Selected Topics in Solid State Physics				11-CSF6-152-m01	
Modul	e coord	inator		Module offered by	ļ.	
chairpe	erson o	f examination committee		Faculty of Physics a	ind Astronomy	
ECTS	Metho	od of grading	Only after succ. con	ipl. of module(s)		
6	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ester	undergraduate	Approval from exam	ination committee r	equired.	
Conter	ıts		,			
Selecte	ed topio	s of Solid-State Physics.				
Intend	ed lear	ning outcomes				
and ev	aluatio				nd understand the measuring classify the subject-specific con-	
Course	es (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)		
V (3) +	R (1)					
		sessment (type, scope, langua le for bonus)	ge — if other than German, (examination offered — if no	ot every semester, information on whether	
or oral pages) If a wri stead t of asse nation Langua	examin or pres tten exa take the essmen date at age of a	nation in groups (groups of sentation/talk (approx. 30 amination was chosen as a form of an oral examina t is changed, the lecturer the latest. ssessment: German and	of 2, approx. 30 minu o minutes). o method of assessme tion of one candidate o must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) r project report (approx. 8 to 10 nged and assessment may inmination in groups. If the method weeks prior to the original exami-	
Allocat	tion of p	olaces				
Additio	onal inf	ormation				
Workload						
180 h	180 h					
Teachi	Teaching cycle					
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					



Modul	Module title Abbreviation					
Selecto	Selected Topics in Nanostructure Technology				11-CSN6-152-m01	
Modul	e coord	inator		Module offered by		
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy	
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)		
6	nume	rical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	undergraduate	Approval from exam	ination committee re	equired.	
Conter	nts					
Selecte	ed topio	cs of nanostructure techn	ology.			
Intend	ed learı	ning outcomes				
technic	cal met				nnology and of the scientific or fy the subject-specific contexts	
Course	S (type, r	number of weekly contact hours,	language — if other than Ger	rman)		
V (3) +	R (1)					
		sessment (type, scope, langua	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
or oral pages) If a wri stead t of asse nation Langua	examin or pres tten exa take the essmen date at age of a	nation in groups (groups sentation/talk (approx. 3 amination was chosen as form of an oral examinat is changed, the lecture the latest. ssessment: German and	of 2, approx. 30 minu o minutes). s method of assessmo tion of one candidate r must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) or project report (approx. 8 to 10 mged and assessment may inmination in groups. If the method weeks prior to the original exami-	
Allocat	tion of p	olaces	,			
Additio	nal inf	ormation				
Workload						
180 h						
Teaching cycle						
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)					
, and the second						



Summer Term 2020

(ECTS credits)



Module	e title				Abbreviation		
Curren	Current Topics in Nanostructure Technology 11-BXN5-152-mo1						
Module	e coord	inator		Module offered by	-		
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	ts		•				
Curren or stud	•		. Accredited academi	c achievements, e.g	in case of change of university		
Intend	ed lear	ning outcomes					
nology ledge.	or nan They ar		nd the measuring and ject-specific contexts	d evaluation method and know the appl	odiscipline of nanostructure tech- ls necessary to acquire this know- ication areas.		
V (2) +	R (2)						
			ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
Additional information							
Worklo	ad						
150 h	150 h						
Teaching cycle							
	-						



Module title					Abbreviation		
Curren	t Topic	s in Nanostructure Techn	ology		11-BXN6-152-m01		
Modul	e coord	inator		Module offered by	I.		
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy		
ECTS	Meth	od of grading	Only after succ. con	ıpl. of module(s)			
6	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	required.		
Conter	its						
	t topics ly abroa		. Accredited academi	c achievements, e.g	; in case of change of university		
Intend	ed lear	ning outcomes					
nology ledge.	or nan They ar		nd the measuring and ject-specific contexts	l evaluation method and know the appl	odiscipline of nanostructure tech- Is necessary to acquire this know- ication areas.		
V (3) +	-	idiliber of weekly contact flours, i	aliguage — il other than der	iliali)			
Metho	d of ass		ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
or oral pages) If a wristead to fassenation	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						
Allocat	ion of p	places					
Additional information							
Worklo	Workload						
180 h	180 h						
Teachi	Teaching cycle						
	-						



Modul	Module title Abbreviation						
	Current Topics in Nanostructure Technology				11-BXN8-152-m01		
				Mandala affanad bar			
Modul				Module offered by			
	1	f examination committee		Faculty of Physics a	and Astronomy		
ECTS	1	od of grading	Only after succ. con	ipl. of module(s)			
8		rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme		undergraduate	Approval from exam	ination committee r	equired.		
Conter	ts						
Curren or stud			. Accredited academi	c achievements, e.g	. in case of change of university		
Intend	ed lear	ning outcomes					
ledge.	They ar	o sciences and understa re able to classify the sub number of weekly contact hours,	ject-specific contexts	and know the appli	s necessary to acquire this know- ication areas.		
V (4) +	R (2)						
			ge — if other than German,	examination offered — if no	ot every semester, information on whether		
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							
Allocat	ion of	places					
Additional information							
Workload							
240 h							
	Teaching cycle						
	enermo el ere						



TANK TO WELOVA COMPANY OF THE PROPERTY OF THE							
Module title					Abbreviation		
Current Topics in Physics					11-BXP8-152-mo1		
Module	Module coordinator			Module offered by			
chairpe	erson o	f examination committee	_	Faculty of Physics a	and Astronomy		
ECTS	ECTS Method of grading Only after succ. cor			npl. of module(s)			
8	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	ts						
		of Experimental and The versity or study abroad.	oretical Physics. Acc	redited academic ac	hievements, e.g. in case of		
Intend	ed learı	ning outcomes					
The students have advanced competencies corresponding to the requirements of a module of Experimental or Theoretical Physics of the Bachelor's programme of Nanostructure Technology. They have knowledge of a current subdiscipline of Physics and understand the measuring and/or calculation methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts and know the application areas.							
		number of weekly contact hours, l	anguage — if other than Gei	rman)			
V (4) +							
		Gessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
Additional information							
Worklo	Workload						
240 h	240 h						
	·						

Teaching cycle



TANK TO WE OVER BY OUR TO WAR						
Module title		Abbreviation				
Current Topics in Physics			11-BXP6-152-m01			
Module coordinator		Module offered by				
chairperson of examination committee	_	Faculty of Physics and Astronomy				
ECTS Method of grading	Only after succ. con	npl. of module(s)				
6 numerical grade						
Duration Module level	Other prerequisites					
1 semester undergraduate	Approval from exam	ination committee r	equired.			
Contents						
Current topics of Experimental and The change of university or study abroad.	oretical Physics. Acc	redited academic ac	hievements, e.g. in case of			
Intended learning outcomes						
The students have advanced competencies corresponding to the requirements of a module of Experimental or Theoretical Physics of the Bachelor's programme of Nanostructure Technology. They have knowledge of a current subdiscipline of Physics and understand the measuring and/or calculation methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts and know the application areas.						
Courses (type, number of weekly contact hours, $V(3) + R(1)$	aliguage — il other than der	illiaii)				
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
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						
Allocation of places						
Additional information						
Workload						
180 h	180 h					

Teaching cycle



WÜRZBURG Nanostructure Technology							
Module	Module title Abbreviation						
Current Topics Physics 11-BXP5-152-mo1					11-BXP5-152-m01		
Module	coord	inator		Module offered by			
chairpe	erson o	f examination committee	!	Faculty of Physics and Astronomy			
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	ts						
		s of Experimental and The versity or study abroad.	eoretical Physics. Acc	redited academic ac	hievements, e.g. in case of		
Intende	ed lear	ning outcomes					
The students have advanced competencies corresponding to the requirements of a module of Experimental or Theoretical Physics of the Bachelor's programme of Nanostructure Technology. They have knowledge of a current subdiscipline of Physics and understand the measuring and/or calculation methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts and know the application areas.							
Courses (type, number of weekly contact hours, language — if other than German)							
V (2) + R (2)							
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)							
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 in-							

stead 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

Allocation	of	places

Additional information

150 h

Workload

Teaching cycle

Referred to in LPO I (examination regulations for teaching-degree programmes)



Modul	e title		Abbreviation			
Selected Topics in Energy and Material Science					11-CSEM6-152-m01	
Module coordinator				Module offered by	l.	
chairperson of examination committee			!	Faculty of Physics a	and Astronomy	
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)		
6	nume	rical grade				
Duratio	on	Module level	Other prerequisites	us s		
1 seme	ster	undergraduate	Approval from exam	oproval from examination committee required.		
Conter	nts					
Selecte	ed topic	s of energy and material	s research.			
Intend	ed learı	ning outcomes				
tion me	ethods				stand the measuring and evalua- subject-specific contexts and	
Course	S (type, r	number of weekly contact hours,	language — if other than Ger	rman)		
V (3) +	R (1)					
		Sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
or oral pages) If a wri stead to f assentation	examin or pres tten exa ake the essmen date at	ation in groups (groups sentation/talk (approx. 3 amination was chosen as form of an oral examina	of 2, approx. 30 minu o minutes). s method of assessmo tion of one candidate r must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) or project report (approx. 8 to 10 mged and assessment may inmination in groups. If the method weeks prior to the original exami-	
Allocat	tion of p	olaces	,			
Additional information						
Worklo	ad					
180 h						
Teachi	ng cycl	e				
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	mmes)		
3 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -						



Module title		Abbreviation				
Selected Topics in Solid State Physics				11-CSF6-152-m01		
Module coordinator			Module offered by			
chairperson c	f examination committee		Faculty of Physics and Astronomy			
ECTS Meth	od of grading	Only after succ. con	npl. of module(s)			
6 nume	numerical grade					
Duration	Module level	Other prerequisites	s			
1 semester	undergraduate	Approval from exam	Approval from examination committee required.			
Contents						
Selected topi	cs of Solid-State Physics.					
Intended lear	ning outcomes					
and evaluation				nd understand the measuring classify the subject-specific con-		
Courses (type,	number of weekly contact hours, l	anguage — if other than Ger	rman)			
V (3) + R (1)						
	Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)					
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						
Allocation of places						
Additional information						
Workload						
180 h						
Teaching cycle						
Referred to in	Referred to in LPO I (examination regulations for teaching-degree programmes)					



Modul	e title	"	Abbreviation			
Selected Topics in Nanostructure Technology					11-CSN6-152-m01	
Module coordinator				Module offered by		
chairperson of examination committee			!	Faculty of Physics a	and Astronomy	
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
6	nume	rical grade				
Duratio	on	Module level	Other prerequisites	es		
1 seme	ster	undergraduate	Approval from exam	Approval from examination committee required.		
Conter	its					
Selecte	ed topic	s of nanostructure techn	ology.			
Intend	ed learı	ning outcomes				
technic	al metl				nnology and of the scientific or fy the subject-specific contexts	
Course	S (type, n	umber of weekly contact hours,	anguage — if other than Ger	rman)		
V (3) +	R (1)					
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
or oral pages) If a wristead to fasse nation Langua	examin or pres tten exa ake the essmen date at age of a	ation in groups (groups dentation/talk (approx. 3) amination was chosen as form of an oral examinat is changed, the lectured the latest. ssessment: German and	of 2, approx. 30 minu o minutes). s method of assessmo tion of one candidate must inform student	tes per candidate) o ent, this may be cha e each or an oral exa	didate each (approx. 30 minutes) r project report (approx. 8 to 10 nged and assessment may inmination in groups. If the method weeks prior to the original exami-	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
180 h						
Teachi	ng cycl	e				
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	ımmes)		



Winter Term 2020

(ECTS credits)



Module title					Abbreviation			
Curren	t Topics	s in Nanostructure Techn	ology		11-BXN5-152-m01			
Module coordinator				Module offered by				
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy			
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)				
5	nume	rical grade						
Duratio	n	Module level	Other prerequisites					
1 seme	ster	undergraduate	Approval from exam	ination committee r	required.			
Conten	ts							
Current or stud			. Accredited academi	c achievements, e.g	. in case of change of university			
Intend	ed learı	ning outcomes						
nology ledge.	or nand They ar		nd the measuring and ject-specific contexts	l evaluation method and know the appl	odiscipline of nanostructure tech- ls necessary to acquire this know- ication areas.			
V (2) +		lumber of weekly contact nours, i	anguage — ir otner than Ger	man)				
Metho	d of ass		${\sf ge-if}$ other than German, (examination offered — if n	ot every semester, information on whether			
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								
Allocation of places								
Additional information								
Workload								
150 h								
Teachi	ng cycl	e						



Module	title		Abbreviation			
Current	Current Topics in Nanostructure Technology 11-BXN6-152-mo1					
Module	coord	inator		Module offered by	· ·	
chairpe	erson o	f examination committee	1	Faculty of Physics a	and Astronomy	
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
6	nume	rical grade				
Duratio	n	Module level	Other prerequisites			
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.	
Conten	ts					
Current or stud			. Accredited academi	c achievements, e.g	. in case of change of university	
Intend	ed lear	ning outcomes				
nology ledge. Course	or nan They ar s (type, r		nd the measuring and eject-specific contexts	d evaluation method and know the appl	odiscipline of nanostructure tech- is necessary to acquire this know ication areas.	
V (3) +	R (1)					
		sessment (type, scope, langua ole for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether	
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						
Allocation of places						
Additional information						
Workload						
180 h	180 h					
Teachi	ng cycl	e				
	_					



Module	Module title Abbreviation						
Current Topics in Nanostructure Technology					11-BXN8-152-m01		
Module	e coord	inator	Module offered by				
		f examination committee		Faculty of Physics a	and Astronomy		
ECTS		od of grading	Only after succ. con		and Astronomy		
8		rical grade		ipa or modute(s)			
Duratio		Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam		equired.		
Conten	its		, ,,		'		
Current or stud	•		. Accredited academi	c achievements, e.g	. in case of change of university		
Intend	ed lear	ning outcomes					
nology ledge.	or nan They ar		nd the measuring and ject-specific contexts	d evaluation method and know the appli	odiscipline of nanostructure techs s necessary to acquire this know- ication areas.		
V (4) +							
		sessment (type, scope, langua	ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
Additional information							
Workload							
240 h							
Teachi	ng cycl	е					



W	ÜRZBI	JRG 1	5 (12)	33 0 2 6	Nanostructure Technology			
Module	Module title Abbreviation							
Current Topics in Physics 11-BXP8-152-mo1					11-BXP8-152-m01			
Module	e coord	inator		Module offered by				
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy			
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)				
8	nume	rical grade						
Duratio	n	Module level	Other prerequisites					
1 seme	ster	undergraduate	Approval from exam	nination committee r	equired.			
Conten	ts							
		s of Experimental and The versity or study abroad.	eoretical Physics. Acc	redited academic ac	hievements, e.g. in case of			
Intende	ed lear	ning outcomes						
Theore subdis	tical Pł cipline	nysics of the Bachelor's p	rogramme of Nanost nd the measuring and	ructure Technology. d/or calculation metl	of a module of Experimental or They have knowledge of a current hods necessary to acquire this application areas.			
Course	S (type, i	number of weekly contact hours, l	anguage — if other than Ge	rman)				
V (4) +	R (2)							
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)								
or oral pages) If a writ stead t	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.							

stead 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

Allocation of places	
Additional information	

Workload

240 h

Teaching cycle

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 $\textbf{Referred to in LPO I} \ \ (\text{examination regulations for teaching-degree programmes})$

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Modul		- i- Dhusias		Abbreviation			
Curren	t iopic	s in Physics			11-BXP6-152-m01		
Modul	e coord	linator		Module offered by			
chairpe	erson o	of examination committee		Faculty of Physics a	and Astronomy		
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)			
6	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ester	undergraduate	Approval from exam	ination committee r	equired.		
Conter	its						
		s of Experimental and The versity or study abroad.	eoretical Physics. Acc	redited academic ac	hievements, e.g. in case of		
Intend	ed lear	ning outcomes					
knowle Course	edge. T	of Physics and understa hey are able to classify th number of weekly contact hours,	e subject-specific co	ntexts and know the	hods necessary to acquire this application areas.		
V (3) +							
		sessment (type, scope, langua ole for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
Additional information							
Workload							
180 h							
Teachi	ng cycl	le					



WÜRZBURG 15 183 183							
Module	Module title Abbreviation						
Current	t Topic	s Physics			11-BXP5-152-m01		
Module	coord	inator		Module offered by			
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
5	nume	rical grade					
Duratio	n	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee re	equired.		
Conten	ts						
		of Experimental and The versity or study abroad.	oretical Physics. Acc	redited academic ac	hievements, e.g. in case of		
Intende	ed lear	ning outcomes					
Theoret subdise	tical Ph cipline	ysics of the Bachelor's p	rogramme of Nanosti nd the measuring and	ructure Technology. ⁻ I/or calculation meth	of a module of Experimental or They have knowledge of a current hods necessary to acquire this application areas.		
Course	S (type, r	number of weekly contact hours, l	anguage — if other than Ger	man)			
V (2) +	R (2)						
	Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
or oral pages) If a writ stead to of asse	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						

Allocation of places

Additional information

Workload

150 h

Teaching cycle



Selected Topics in Energy and Material Science Module coordinator Chairperson of examination committee Module offered by Faculty of Physics and Astronomy						
,						
chairperson of examination committee Faculty of Physics and Astronomy						
ECTS Method of grading Only after succ. compl. of module(s)						
6 numerical grade						
Duration Module level Other prerequisites						
1 semester undergraduate Approval from examination committee required.						
Contents						
Selected topics of energy and materials research.						
Intended learning outcomes						
The students have basic knowledge of energy and material research and understand the measuring and eva tion methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts an know the application areas.						
Courses (type, number of weekly contact hours, language — if other than German)						
V (3) + R (1)						
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whe module is creditable for bonus)						
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						
Allocation of places						
Additional information						
Workload						
180 h						
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						



Module title					Abbreviation		
Selected Topics in Solid State Physics					11-CSF6-152-m01		
Module coordinator				Module offered by			
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
6	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	its		•				
Selecte	ed topio	s of Solid-State Physics.					
Intend	ed lear	ning outcomes					
and ev	aluatio				nd understand the measuring classify the subject-specific con-		
Course	S (type, r	number of weekly contact hours,	anguage — if other than Ger	rman)			
V (3) +	R (1)						
			ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
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							
Allocat	ion of p	olaces					
Additional information							
Workload							
180 h							
Teaching cycle							
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						



Modul	Module title Abbreviation						
Selected Topics in Nanostructure Technology					11-CSN6-152-m01		
Module coordinator				Module offered by			
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy		
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)			
6	nume	rical grade					
Duratio	on	Module level	Other prerequisites				
1 seme	ster	undergraduate	Approval from exam	ination committee re	equired.		
Conter	nts						
Selecte	ed topio	cs of nanostructure techn	ology.				
Intend	ed learı	ning outcomes					
technic	cal met				nnology and of the scientific or fy the subject-specific contexts		
Course	S (type, r	number of weekly contact hours,	language — if other than Ger	rman)			
V (3) +	R (1)						
			ge — if other than German,	examination offered — if no	ot every semester, information on whether		
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							
Allocat	tion of p	olaces	,				
			-				
Additio	nal inf	ormation					
Workload							
180 h							
Teachi	Teaching cycle						
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						



Summer Term 2021

(ECTS credits)



Module title					Abbreviation			
Curren	t Topics	s in Nanostructure Techn	ology		11-BXN5-152-m01			
Module coordinator				Module offered by				
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy			
ECTS	Metho	od of grading	Only after succ. con	ıpl. of module(s)				
5	nume	rical grade						
Duratio	n	Module level	Other prerequisites					
1 seme	ster	undergraduate	Approval from exam	ination committee r	required.			
Conten	ts							
Current or stud			. Accredited academi	c achievements, e.g	. in case of change of university			
Intend	ed learı	ning outcomes						
nology ledge.	or nand They ar		nd the measuring and ject-specific contexts	l evaluation method and know the appl	odiscipline of nanostructure tech- ls necessary to acquire this know- ication areas.			
V (2) +		lumber of weekly contact nours, i	anguage — ir otner than Ger	man)				
Metho	d of ass		${\sf ge-if}$ other than German, ${\sf otherwise}$	examination offered — if n	ot every semester, information on whether			
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								
Allocation of places								
Additional information								
Workload								
150 h								
Teachi	ng cycl	e						



Module title					Abbreviation	
Curren	t Topic	11-BXN6-152-m01				
Module	e coord	linator		Module offered by	I.	
chairpe	erson c	of examination committ	ee	Faculty of Physics a	and Astronomy	
ECTS	Meth	od of grading	Only after succ. con	npl. of module(s)		
6	nume	erical grade				
Duratio	on	Module level	Other prerequisites			
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.	
Conten	ıts					
Current or stud			cs. Accredited academi	c achievements, e.g	, in case of change of university	
Intend	ed lear	ning outcomes				
ledge.	They a	re able to classify the s	ubject-specific contexts	and know the appl	Is necessary to acquire this know- ication areas.	
Metho	d of as	sessment (type, scope, langule for bonus)	guage — if other than German,	examination offered — if no	ot every semester, information on whether	
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						
Allocation of places						
						
Additional information						
						
Workload						
180 h						
Teachi	ng cyc	le				



Module title Abbreviation							
Curren	Current Topics in Nanostructure Technology 11-BXN8-152-mo1						
Module coordinator				Module offered by			
chairpe	erson o	f examination committee		Faculty of Physics a	and Astronomy		
ECTS	Meth	od of grading	Only after succ. con	ıpl. of module(s)	ol. of module(s)		
8	nume	rical grade					
Duratio	n	Module level	Other prerequisites	es .			
1 seme	ster	undergraduate	Approval from exam	ination committee r	equired.		
Conten	ts						
Current or stud	•		. Accredited academi	c achievements, e.g	. in case of change of university		
Intend	ed lear	ning outcomes					
nology ledge. Course	or nan They ar S (type, r		nd the measuring and ject-specific contexts	l evaluation method and know the appli	odiscipline of nanostructure techs necessary to acquire this knowication areas.		
V (4) +	R (2)						
		sessment (type, scope, langua ole for bonus)	ge — if other than German, o	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
Additional information							
Worklo	ad						
240 h							
Teachi	ng cycl	e					



Modul	e title				Abbreviation	
Current Topics in Physics 11-BXP8-152-mo1					11-BXP8-152-m01	
Module coordinator Module offe				ered by		
chairp	erson c	of examination commi	ttee	Faculty of F	Faculty of Physics and Astronomy	
ECTS	Meth	od of grading	Only after suc	nly after succ. compl. of module(s)		
8	nume	erical grade				
Duratio	on	Module level	Other prerequ	isites		
ı seme	ster	undergraduate	Approval from	examination com	mittee required.	
Conter	ıts					
	•	s of Experimental and versity or study abroa	•	s. Accredited acad	demic achievements, e.g. in case of	
Intend	ed lear	ning outcomes				
The students have advanced competencies corresponding to the requirements of a module of Experimental or Theoretical Physics of the Bachelor's programme of Nanostructure Technology. They have knowledge of a current subdiscipline of Physics and understand the measuring and/or calculation methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts and know the application areas.						
Course	S (type,	number of weekly contact ho	ours, language — if other t	han German)		
V (4) +	R (2)					
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
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 exami-

nation date at the latest. Language of assessment: German and/or English

Allocation of places

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Additional information

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Workload

240 h

Teaching cycle

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 $\textbf{Referred to in LPO I} \ \ (\text{examination regulations for teaching-degree programmes})$

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Modul	e title				Abbreviation	
Current Topics in Physics					11-BXP6-152-m01	
Module coordinator				Module offered	Module offered by	
chairp	erson o	of examination commi	ttee_	Faculty of Physics and Astronomy		
ECTS	Meth	od of grading	Only after succ. c	er succ. compl. of module(s)		
6	nume	erical grade				
Durati	on	Module level	Other prerequisit	es		
1 seme	ester	undergraduate	Approval from exa	Approval from examination committee required.		
Conter	nts					
	•	s of Experimental and iversity or study abroa	•	ccredited academ	ic achievements, e.g. in case of	
Intend	ed lear	rning outcomes				
The students have advanced competencies corresponding to the requirements of a module of Experimental or Theoretical Physics of the Bachelor's programme of Nanostructure Technology. They have knowledge of a current subdiscipline of Physics and understand the measuring and/or calculation methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts and know the application areas.						
Course	es (type,	number of weekly contact ho	urs, language — if other than	German)		
V (3) +	R (1)	.,				
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
or oral pages) If a wri	exami) or pre itten ex	nation in groups (grou sentation/talk (appro amination was chose	ips of 2, approx. 30 mi x. 30 minutes). n as method of assess	nutes per candida ment, this may be	candidate each (approx. 30 minutes te) or project report (approx. 8 to 10 changed and assessment may inlexamination in groups. If the metho	

nation date at the latest. Language of assessment: German and/or English

Allocation of places

Additional information

Workload

180 h

Teaching cycle



	_	14.241		00 8/4/			
Module title					Abbreviation		
Current Topics Physics					11-BXP5-152-m01		
Module coordinator Module off				Module offered by	ered by		
chairp	erson o	f examination committee	9	Faculty of Physics and Astronomy			
ECTS	Method of grading Only after succ. com			ıpl. of module(s)			
5	numerical grade						
Duratio	on	Module level	Other prerequisites				
1 seme	ester	undergraduate	Approval from exam	nination committee r	equired.		
Conter	ıts						
		of Experimental and The versity or study abroad.	eoretical Physics. Acc	redited academic ac	hievements, e.g. in case of		
Intend	ed lear	ning outcomes					
knowle Course	edge. Th	of Physics and understaney are able to classify the number of weekly contact hours,	ne subject-specific co	ntexts and know the	hods necessary to acquire this application areas.		
V (2) +	R (2)						
		sessment (type, scope, langua le for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether		
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							
Allocation of places							
							
Additio	Additional information						
Worklo	Workload						

150 h

Teaching cycle



Module title					Abbreviation		
Selected Topics in Energy and Material Science					11-CSEM6-152-m01		
Module coordinator				Module offered by			
chairperson of examination committee			2	Faculty of Physics and Astronomy			
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)			
6	nume	nerical grade					
Duratio	Duration Module level Other prerequisites						
1 seme	ster	undergraduate	Approval from exam	nination committee required.			
Conten	its						
Selecte	ed topio	cs of energy and materia	ls research.				
Intend	ed lear	ning outcomes					
tion me	ethods				stand the measuring and evalua- subject-specific contexts and		
Course	S (type, r	number of weekly contact hours,	language — if other than Ger	rman)			
V (3) +	R (1)						
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)							
or oral pages) If a write stead to fasse nation	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						
Allocat	ion of p	olaces					
Additio	nal inf	ormation	_				
Workload							
180 h	180 h						
Teachi	ng cycl	е					
Referre	Referred to in LPO I (examination regulations for teaching-degree programmes)						



Modul	Module title Abbreviation					
Selected Topics in Solid State Physics					11-CSF6-152-m01	
Module coordinator				Module offered by	ļ.	
chairpe	erson o	f examination committee		Faculty of Physics a	ind Astronomy	
ECTS	Metho	od of grading	Only after succ. con	ipl. of module(s)		
6	nume	rical grade				
Duratio	on	Module level	Other prerequisites	ther prerequisites		
1 seme	ster	undergraduate	Approval from examination committee required.			
Conter	its		•			
Selecte	ed topic	s of Solid-State Physics.	•			
Intend	ed learı	ning outcomes				
and ev	aluatio				nd understand the measuring classify the subject-specific con-	
Course	S (type, n	umber of weekly contact hours, l	anguage — if other than Ger	man)		
V (3) +	R (1)					
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
or oral pages) If a wri stead t of asse nation Langua	examin or pres tten exa ake the essmen date at age of a	ation in groups (groups of sentation/talk (approx. 30 amination was chosen as form of an oral examina t is changed, the lecturer the latest. ssessment: German and	of 2, approx. 30 minu o minutes). o method of assessmo tion of one candidate o must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) r project report (approx. 8 to 10 nged and assessment may inmination in groups. If the method weeks prior to the original exami-	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
180 h	-					
Teachi	ng cycl	e				
Referre	ed to in	LPO I (examination regulation	s for teaching-degree progra	mmes)		



Module title Abbreviation						
Selected Topics in Nanostructure Technology					11-CSN6-152-m01	
Module coordinator				Module offered by		
chairpe	erson o	f examination committee	!	Faculty of Physics a	and Astronomy	
ECTS	Metho	od of grading	Only after succ. con	· · · · · · · · · · · · · · · · · · ·		
6	nume	rical grade				
Duratio	on	Module level	Other prerequisites	erequisites		
1 seme	ster	undergraduate	Approval from examination committee required.			
Conter	its					
Selecte	ed topic	s of nanostructure techn	ology.			
Intend	ed learı	ning outcomes				
technic	al metl				nnology and of the scientific or fy the subject-specific contexts	
Course	S (type, n	umber of weekly contact hours,	anguage — if other than Ger	rman)		
V (3) +	R (1)					
		sessment (type, scope, langua le for bonus)	ge — if other than German,	examination offered — if no	ot every semester, information on whether	
or oral pages) If a wristead to fasse nation Langua	examin or pres tten exa ake the essmen date at age of a	ation in groups (groups dentation/talk (approx. 3 amination was chosen as form of an oral examinat is changed, the lectured the latest. ssessment: German and	of 2, approx. 30 minu o minutes). s method of assessmo tion of one candidate must inform student	tes per candidate) o ent, this may be cha e each or an oral exa	didate each (approx. 30 minutes) r project report (approx. 8 to 10 nged and assessment may inmination in groups. If the method weeks prior to the original exami-	
Allocat	ion of p	olaces				
Additio	nal inf	ormation				
Worklo	ad					
180 h						
Teachi	ng cycl	e				
Referre	d to in	LPO I (examination regulation	s for teaching-degree progra	ımmes)		