

modules in this SFB:

Annex SFB

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

Responsible: Faculty of Physics and Astronomy

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

= lecture

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

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

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

= list of modules

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

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

ditable for bonus.

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

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

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

individual assessments.

Examination regulations version: 2026

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

ASP02015

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

??-???-2026 (2026-??)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	Module title		,							
	ECTS		Duration	(in semesters)	Method of grading		Module level			
	Courses		To be spe	To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of as	ssessme	ent							
	Only after su completion of		l if applica	fapplicable						
	Other prereq	uisites	if applica	if applicable						
	Participants on of places		ocati- if applica	if applicable						
	Additional in	formati	on if applica	if applicable						
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teaching	g-degree programmes)				

Compulsory Elective	res (60 ECTS cre	dits)								
Subfield Quantum	Engineering (mi	in. 55 ECT	S credi	ts)						
Advanced Laborato	ory Courses (min	ı. 9 ECTS	credits)						
11-P-FM1-Int-201-	Advanced Labo	oratory Co	ourse N	urse Master Part 1						
mo1	ECTS 3	Duratio		1 semester	Method of grading	(not) successfully comp	leted Modul level	graduate		
	Courses		P (3) Modu	le taught in: English	1					
	Method of assessment		Stude an ex perim modu	practical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: English						
	other prerequi			reparation and safety briefing.						
11-P-FM2-Int-201-				rse Master Part 2						
mo1	ECTS 3 Duration			1 semester	Method of grading	(not) successfully comp	leted Modul level	graduate		
	Courses		P (3) Modu	le taught in: English	l					
	Method of assessment		practical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: English							
	other prerequi	sites	Prepa	Preparation and safety briefing.						
11-P-FM3-Int-201-	Advanced Labo	oratory Co	ourse N	Naster Part 3						
mo1	ECTS 3	Duratio		1 semester	Method of grading	(not) successfully comp	leted Modul level	graduate		
	Courses		P (3) Modu	le taught in: English	1					
	Method of assessment		Stude an ex perim modu Langu	periment to be cons ents to be consider le description. age of assessment:	idered to have succe ed to have successfu English	ssfully completed this ex	periment. Students r	e form of a scientific publication) must successfully complete two ex- ns are laid down in the respective		
	other prerequi	sites	Prepa	ration and safety br	iefing.					

11-P-FM4-Int-201-	Advand	ed Lab	oratory Co	urse N	Master Part 4						
mo1	ECTS	3	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Course	·S		P (3) Modu	le taught in: Englis	h					
	Method	d of ass		Stude an exp perim modu	oractical examination Students must successfully prepare, perform, document (lab notebook) and evaluate (in the form of a scientific publication) an experiment to be considered to have successfully completed this experiment. Students must successfully complete two experiments to be considered to have successfully completed this module. Detailed regulations are laid down in the respective module description. Language of assessment: English						
	<u> </u>	rerequi		Prepa	ration and safety b	riefing.					
Advanced Seminar											
11-OSN-A-Int-201-		ed Sem			ngineering A						
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course				le taught in: Englis						
	Method	d of ass			alk with discussion (30 to 45 minutes) anguage of assessment: English						
11-OSN-B-Int-201-	Advanced Seminar Quantum Engineering B										
mo1	ECTS 5 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (2) Module taught in: English							
	Method	d of ass		talk with discussion (30 to 45 minutes) Language of assessment: English							
Specialization Qua	ntum En	gineeri	ng								
11-HNS-Int-201-	Optica	l Proper	ties of Se	micon	ductor Nanostructu	res					
mo1	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S .		V (3) +	+ R (1) le taught in: Englis	h					
	Method	d of ass		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-HPH-Int-201-	Semiconductor Physics										
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			+ R (1) ıle taught in: Engli	sh						
	Method of as	sessment	b) ora c) ora d) pro e) pro If a w form the lo Lango) 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). To a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. To anguage of assessment: English To serve the course is offered and in the subsequent semester							
11-QTR-Int-201-	Quantum Tra	nsport									
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			+ R (1) ule taught in: Engli	sh						
	Method of as	sessment	b) ora c) ora d) pro e) pro If a w form the lo Lango	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead t form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-FLV-Int-262-	Advanced Lit	hography ¹	Гесhni	ques							
mo1	ECTS 6	Duratio		1 semester	Method of grading numerical grade	Modul level					
	Courses		Modu	V (3) + R (1) Module taught in: English							
	Method of as	sessment	b) ora c) ora d) pro e) pro If a w form the lo Lango	al examination of onl examination in gode of the control of the control of the control of the control of an oral examination of assessmer	was chosen as method of assessment, this may be tion of one candidate each or an oral examination a students about this by four weeks prior to the orig	e changed and ass in groups. If the m ginal examination	ethod of assessment is changed, date at the latest.				

11-NOP-Int-201-	Nano-Optics											
mo1	ECTS	6	Duratio	n	1 semester	Method of grading numeric	cal grade	Modul level	graduate			
	Courses	S			+ R (1)			•				
					Module taught in: English							
	Method	d of ass	essment		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or							
				d) pro	oject report (appro	x. 8 to 10 pages) or						
						pprox. 30 minutes). was chosen as method of asse	essment, this may be	e changed and ass	sessment may instead take the			
				form	of an oral examina	ition of one candidate each or a	n oral examination i	in groups. If the m	ethod of assessment is changed,			
						n students about this by four we	eks prior to the orig	inal examination	date at the latest.			
					uage of assessmer		se is offered and in t	the subsequent se	emester			
11-SPI-Int-201-m01	Spintro	Assessment offered: In the semester in which the course is offered and in the subsequent semester Spintronics										
11 31 1 1110 201 11101	<u> </u>	6	Duration	n	1 semester	Method of grading numeric	cal grade	Modul level	graduate			
	Courses	S	ļ.		+ R (1)	<u>'</u>		•				
					ıle taught in: Engli							
	Method	d of ass	essment		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or							
					c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or							
				d) pro	oject report (appro	x. 8 to 10 pages) or		,				
					e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.							
				the le								
					Language of assessment: English							
11-BSV-Int-201-	Assessment offered: In the semester in which the course is offered and in the subsequent semester Image and Signal Processing in Physics											
mo1		6	Duration		1 semester	Method of grading numeric	cal grade	Modul level	graduate			
	Courses		2 4.41.0		+ Ü (2)	ou or graums mamon			13.44446			
					Module taught in: English							
	Method	of ass	essment			(approx. 90 to 120 minutes) or						
						one candidate each (approx. 30		ata) ar				
					c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or							
				e) pre	e) presentation/talk (approx. 30 minutes).							
				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: English								
				Asses	ssment offered: In	the semester in which the cour	se is offered and in t	the subsequent se	emester			

11-PMM-Int-201-	Physics of A	Advanced Ma	aterials	5		'				
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul	l level	graduate		
	Courses	,		/ (3) + R (1) Module taught in: English						
	Method of a	ssessment	b) ora c) ora d) pro e) pro If a w form the le Langu	Il examination of on a lexamination in going of the second of the second of the second of an oral examination of assessments.	(approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or roups (groups of 2, approx. 30 minutes pox. 8 to 10 pages) or oprox. 30 minutes). I was chosen as method of assessment, thation of one candidate each or an oral example students about this by four weeks prior that: English the semester in which the course is offered	er candidate) or nis may be changed mination in groups. I to the original exami	If the m ination (ethod of assessment is changed, date at the latest.		
11-0HL-Int-201-	Organic Ser	niconductor		1		,				
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul	l level	graduate		
	Courses	,	V (3) ·	+ R (1) le taught in: Engli	sh	•				
			b) ora c) ora d) pro e) pre If a w form the le Langu Asses	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
08-FU-SAM-161-		Actor Mater	ials - F	unctional Ceramic	s and Magnetic Particles					
mo1	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul	l level	graduate		
	Courses Method of a	ssessment	b) ora c) ora Langu Asses	tten examination Il examination of c I examination in g Jage of assessme	(approx. 90 minutes) or one candidate each (approx. 20 minutes) or roups (groups of 2, approx. 30 minutes pot ont: German and/or English once a year, summer semester					

08-PCM4-161-m01	Ultrafas	st speci	troscopy a	ınd qu	antum-control						
	ECTS	5	Duration)	1 semester	Method of grading numerical gra	ade	Modul level	graduate		
	Courses	5		S (2) -							
					Module taught in: German or English						
	Method	of ass	essment		a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes)						
					anguage of assessment: German and/or English						
	other pr	rerequi	sites	Prior o	completion of mod	ules o8-PCM1a and o8-PCM1b recon	nmended.				
08-FU-EEW-222-	Electro	chemic	al Energy	Storag	e and Conversion						
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	undergraduate		
	Courses	5		V (2) - Modu	+ S (2) le taught in: Germ	an or English					
	Method	of ass		a) written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 30 minutes) and b) talk (approx. 30 minutes); (weighted 65:35) Language of assessment: German and/or English Assessment offered: Once a year, summer semester							
08-FU-MW-222-	Structure-Properties Correlations of Light Materials - Experiments and Numerical Simulations										
mo1	ECTS 5 Duratio)	1 semester	Method of grading numerical gra	ade	Modul level	graduate		
	Courses			V (2) - Modu	+ S (2) le taught in: Germ	an or English					
	Method	of ass	essment	a) written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 30 minutes) and b) talk (approx. 30 minutes); (weighted 60:40) Language of assessment: German and/or English Assessment offered: Once a year, winter semester							
11-EXN5-Int-241-	Current	Topics	in Quant	um Eng	gineering						
mo1	ECTS	5	Duration)	1 semester	Method of grading numerical gra	ade	Modul level	graduate		
	Courses	5		V (2) + R (2) Module taught in: English							
	Method other pr			b) ora c) ora d) pro e) pre If a wr form o the le Langu	written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or ral 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). Written examination was chosen as method of assessment, this may be changed and assessment may instead take the nof an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, lecturer must inform students about this by four weeks prior to the original examination date at the latest. guage of assessment: English						
	Journel bi	crequi	3.103	, 14410	- CAUTHING	- committee required.					

11-EXN6-Int-241-	Current Topics in Quantum Engineering									
mo1	ECTS 6	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			+ R (1) ıle taught in: English	1					
	Method of	assessment	b) ora c) ora d) pro e) pro If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English						
	other prer	equisites	Appro	oval from examination	on committee required.					
11-EXN7-Int-241-		pics in Quan	tum En	gineering						
mo1	ECTS 7	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			V (3) + R (1) Module taught in: English						
		assessment	b) ora c) ora d) pro e) pro If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English						
	other prer			Approval from examination committee required.						
11-EXN8-Int-241-		pics in Quan		ì						
mo1	ECTS 8 Courses	Duratio	V (4)	1 semester + R (2) Ile taught in: English	Method of grading numerical grade	Modul level	graduate			
		assessment	b) ora c) ora d) pro e) pro If a w form the le Langu	al examination of on al examination in gro oject report (approx. esentation/talk (app ritten examination w of an oral examinati ecturer must inform s uage of assessment:	orox. 30 minutes). vas chosen as method of assessment, this may be on of one candidate each or an oral examination in students about this by four weeks prior to the originst English	orox. 30 minutes) or rox. 30 minutes per candidate) or lof assessment, this may be changed and assessment may instead take the ach or an oral examination in groups. If the method of assessment is changed, four weeks prior to the original examination date at the latest.				
	other prer	equisites	Appro	oval from examination	on committee required	_				
Master's with 1 major Q	uantum Engineeri	ing (2026)			JMU Würzburg • generated 25-Nov-2	2025 • exam. reg. data	record 88 j43 - - H 2026 page 9 / 23			

11-EXN6A-Int-241-	Current Topics in Quantum Engineering										
mo1	ECTS 6	Duratio	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (3) + R (1) Module taught in: Eng	V (3) + R (1) Module taught in: English							
	Method of as	sessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English								
	other prerequ	ıisites	Approval from examin	ation committee required.							
11-CSFM-Int-201-		pics in Soli	d State Physics								
mo1	ECTS 6	Duration		Method of grading numerical grade	Modul level	graduate					
	Courses		V (3) + R (1) Module taught in: Eng	rlish							
	Method of as		b) oral examination of c) oral examination in d) project report (appr e) presentation/talk (a If a written examination form of an oral examination the lecturer must information	approx. 30 minutes). On was chosen as method of assessment, this metion of one candidate each or an oral examination of one candidate each or an oral examination students about this by four weeks prior to the ent: English	nay be changed and assation in groups. If the m	ethod of assessment is changed,					
	other prerequ		Approval from examination committee required.								
11-CSNM-Int-241-	Advanced Topics in Quantum Engineering										
mo1	ECTS 6 Courses	Duration	1 1 semester V (3) + R (1) Module taught in: Eng	Method of grading numerical grade	Modul level	graduate					
	Method of as		b) oral examination of c) oral examination in d) project report (appr e) presentation/talk (a If a written examination form of an oral examination the lecturer must informused in the lecturer must informused.	ritten examination (approx. 90 to 120 minutes) or al examination of one candidate each (approx. 30 minutes) or al examination in groups (groups of 2, approx. 30 minutes per candidate) or oject report (approx. 8 to 10 pages) or esentation/talk (approx. 30 minutes). written examination was chosen as method of assessment, this may be changed and assessment may instead take the of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, ecturer must inform students about this by four weeks prior to the original examination date at the latest.							
	other prerequisites Approval from examination committee required.										
Master's with 1 major Qu	antum Engineering (2026)		JMU Würzburg • generated	d 25-Nov-2025 • exam. reg. data	record 88 j43 - - H 2026 page 10 / 23					

11-FK2-Int-201-m01	Solid S	tate Ph	ysics 2							
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	!S		V (4) + R (2) Module taught in: English						
					a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester					
	other p	rerequi	sites	Appro	oval from examinati	on committee required.				
11-EIM-Int-201-	Electron and Ion Microscopy									
mo1	ECTS 6 Duratio			า	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	!S		V (3) + R (1) Module taught in: English						
	Method of assessment			b) ora c) ora d) pro e) pre If a w form the le Langu	al examination of or al examination in gro pject report (approx esentation/talk (app ritten examination v of an oral examination ecturer must inform age of assessment	orox. 30 minutes) was chosen as method of assessment, this may be ion of one candidate each or an oral examination students about this by four weeks prior to the orig	e changed and as: in groups. If the m ginal examination	nethod of assessment is changed, date at the latest.		

11-CSPM-Int-201-	Advanc	ed Topi	ics in Phys	sics							
mo1	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ R (1) lle taught in: English	1	,				
	Method	d of ass		b) ora c) ora d) pro e) pre If a wif 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). 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: English						
	other p	rerequi	sites	Appro	oval from examination	on committee required.					
11-FKS-Int-201-m01	Solid State Spectroscopy										
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ R (1) Ile taught in: English	1					
	Method of assessment			b) ora c) ora d) pro e) pre If a wif form of the le Langu	al examination of on I examination in gro oject report (approx. esentation/talk (app ritten examination v of an oral examinati octurer must inform s uage of assessment	orox. 30 minutes). vas chosen as method of assessment, this may on of one candidate each or an oral examinati students about this by four weeks prior to the	y be changed and ass on in groups. If the m original examination	ethod of assessment is changed, date at the latest.			
11-TEFK-Int-201-	_		fects in Sc	olid St	ate Physics						
mo1		8	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			Modu	+ R (2) lle taught in: English						
	Method	d of ass		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-FFK-Int-201-m01	Field Th	Field Theory in Solid State Physics										
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			V (4) + R (2) Module taught in: English							
	Method	d of ass		b) ora c) ora d) pro e) pro If a w form the le Lange	a) written examination (approx. 90 to 120 minutes) or coloral examination of one candidate each (approx. 30 minutes) or coloral examination in groups (groups of 2, approx. 30 minutes per candidate) or coloral examination in groups (groups of 2, approx. 30 minutes per candidate) or coloral examination (approx. 8 to 10 pages) or coloral examination/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. Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-AKTF-Int-201-	Selecte	ed Topic	cs of Theo	retica	Solid State Physics	S						
mo1	ECTS 6 Duration			1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			+ R (1) ule taught in: English	n	,					
	Method of assessment			b) ora c) ora d) pro e) pro If a w form the lo Lange	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chattelecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-MAG-Int-201- mo1	Magne		Donation	-	T	Make da Compliant and a second	Mandelland	Laws doorts				
IIIOI	ECTS Course	6 s	Duration	1 semester Method of grading numerical grade Modul level graduate V (3) + R (1) Module taught in: English								
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester								

11-QM2-Int-201-	Quanti	um Mec	hanics II								
mo1	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	es		V (4) + R (2) Module taught in: English							
	Metho	d of ass		b) ora c) ora d) pro e) pro If a w form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) 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: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-TQO-Int-221-	Theore	tical Qu	ıantum Op	tics							
mo1	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	es			+ R (2) le taught in: English	1		•			
				a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-TFK-Int-201-m01	Theore	tical So	lid State I			1		•			
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	es		V (4) + R (2) Module taught in: English							
	Metho	d of ass		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							

11-NLS-Int-252-	Nano-O	Nano-Optics and Hybrid Light-Matter Systems												
mo1	ECTS	8	Duration	1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	S		V (4) + R (2)										
	10 a 4 la a a	l -f		Module taught in: Eng										
	Method	or asso	essment	b) oral examination of	n (approx. 90 to 120 minutes) or f one candidate each (approx. 30 minutes) or									
				c) oral examination in	groups (groups of 2, approx. 30 minutes per can	ididate) or								
				d) project report (app										
				e) presentation/talk (If a written examination	approx. 30 minutes) on was chosen as method of assessment, this ma	av be changed and as	sessment may instead take the							
				form of an oral examin	nation of one candidate each or an oral examinat	tion in groups. If the m	ethod of assessment is changed,							
					rm students about this by four weeks prior to the ent: German and/or English	original examination	date at the latest.							
					n the semester in which the course is offered and	d in the subsequent se	emester							
11-PTS-Int-201-	Phenon	nenolog		eory of Superconductive										
mo1	ECTS	6	Duration	1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	S		V (3) + R (1) Module taught in: English										
	Method of assessment			a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										
11-QIC-Int-201-m01				ntum Computing and										
		6	Duration		Method of grading numerical grade	Modul level	graduate							
	Courses			V (3) + R (1) Module taught in: English										
	Method	l of asso		a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										

11-MRI-Int-201-	Advanc	ed Mag	netic Res	onanc	e Imaging						
mo1	ECTS	6	Duration	n	1 semester Method of grading numerical grade Modul level graduate						
	Course	S	-	V (3) - Modu	R (1) le taught in: Engli	sh					
	Method	d of ass	essment	b) ora c) ora d) pro e) pre If a wi form of the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester						
11-SSC-Int-201-		e Scienc	e								
mo1	ECTS 6 Duratio			n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (3) + R (1) Module taught in: English							
				a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester							
11-FPA-Int-201-m01		g Resea									
	ECTS 10 Duratio			n		Method of grading numerical grade	Modul level	graduate			
	Courses			R (o) Module taught in: English							
	Method	d of ass	essment		project report (approx. 10 to 20 pages) Language of assessment: English						
	other p	rerequi	sites	Appro	val from examina	tion committee required.	,				

11-EXP5-Int-201-	Current Topic	s in Physic	cs	5						
mo1	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			V (2) + R (2) Module taught in: English						
	Method of as	sessment	b) ora c) ora d) pro e) pro If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English						
	other prerequ	iisites	Appro	oval from examination	on committee required.					
11-EXP6-Int-201-	Current Topic	s in Physic	cs							
mo1	ECTS 6	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			V (3) + R (1) Module taught in: English						
	Method of as		b) ora c) ora d) pro e) pro If a w form the le Langu	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) 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: English						
	other prerequ		Approval from examination committee required.							
11-EXP7-Int-201-	Current Topic			1						
mo1	ECTS 7 Courses	Duratio	1 semester Method of grading numerical grade Modul level graduate V (3) + R (1) Module taught in: English							
	Method of as		b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English							
	other prerequ	iisites	Appro	oval from examination	on committee required.					
Master's with 1 major Qu	uantum Engineering (2	2026)			JMU Würzburg • generated 25-Nov-2	2025 • exam. reg. data	record 88 j43 - - H 2026 page 17 / 23			

11-EXP8-Int-201-	Current	t Topics	in Physic				,				
mo1	ECTS	8	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			V (4) + R (2) Module taught in: English						
	Method	d of ass	essment	b) ora c) ora d) pro e) pro If a w form the le	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English						
	other p	rerequi	sites	Appro	oval from examinati	on committee required.					
11-EXP6A-Int-201-			in Physic	S							
mo1	ECTS 6 Duration				1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			V (3) + R (1) Module taught in: English						
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English							
	other p	rerequi	sites	Appro	Approval from examination committee required.						
Subfield Non-techr	nical Min	or (o-5	ECTS cred	lits)							
10-M-VAN-222-	Advanc	ed Ana	lysis								
mo1	ECTS	10	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses				V (4) + Ü (2)						
	Method of assessment			a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus							

10-M=VDI-	Discret	e Math	ematics								
Min-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	·		+ Ü (1)		,				
					ıle taught in: English						
	Method	d of ass	essment			pprox. 60 to 90 minutes, usually chosen) or e candidate each (approx. 15 minutes) or					
				c) ora	al examination in gro	ups (groups of 2, approx. 15 minutes) of	date)				
				Langi	uage of assessment:	English					
					ssment offered: In th table for bonus	e semester in which the course is offered and ir	n the subsequent se	emester			
10-l=QC-221-m01	Quantu	m Com	municatio	ns			'				
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		` ′	+ V (2) ıle taught in: English	l					
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus							
	Additio	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR							
10-I-APR-172-m01			gramming			,					
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course		,	V (2) + Ü (2)							
				written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Referre	d to in	LPO I	§ 22	II Nr. 3 b)						

10-I=DB-161-m01	Databa	Databases												
	ECTS	5	Duration	ı	1 semester	Method of grading nu	ımerical grade	Modul level	graduate					
	Course	.s		V (2)	$(2) + \ddot{U}(2)$									
	Metho	d of ass		If anr of on date)	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).									
				Langı credi	uage of assessmer table for bonus	nation for Master's studer nt: German and/or English								
				Focus	ses available for st	udents of the Master's pro	ogramme Informatik	(Computer Science, 120	ECTS credits): SE, IS, HCI, GE.					
10-I-BS-191-m01		Operating Systems												
	ECTS	5	Duration		1 semester	Method of grading nu	ımerical grade	Modul level	undergraduate					
	Course	!S			+ Ü (2) ıle taught in: Engli	sh								
	wetno	u oi ass		written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus										
10-l=Kl1-212-m01	Artificial Intelligence 1													
	ECTS	5	Duration	1	1 semester	Method of grading nu	ımerical grade	Modul level	graduate					
	Course	!S		V (2)	+ Ü (2)			·						
				written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus										
	Additio	onal Info	ormation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,KI,HCI									
02-N-Ö-	Enviro	nmental	l Law											
W2-05-152-m01	ECTS	3	Duration	1	1 semester	Method of grading nu	ımerical grade	Modul level	undergraduate					
	Course	!S		V (2)	V (2)									
	Metho	d of ass	essment	a) written examination (approx. 120 minutes) or b) oral examination (approx. 15 minutes) Assessment offered: Usually every two years, winter semester										
				Asses	ssment offered: Us									

11-AP-Int-201-m01	Astropl	Astrophysics												
	ECTS	6	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate						
	Course	S		V (2) + R (2)										
					ıle taught in: Engli									
	Method	d of ass	essment	b) ora	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester									
				e) pre If a w form the le Langu Asses										
11-ASM-Int-201-			servation		ronomy									
mo1	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S			V (3) + R (1) Module taught in: English									
	Method	I OI dSS	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										
11-ASP-Int-201-			Space P											
mo1	ECTS	6	Duration		1 semester	Method of grading numerical grade	Modul level	graduate						
	Course			V (3) + R (1) Module taught in: English										
	Method	d of ass	essment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English Assessment offered: In the semester in which the course is offered and in the subsequent semester										

11-EXZ5-Int-201-	Nontec	hnical	Special To	pics	-	,	,				
mo1	ECTS	5	Duration	n n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) + R (2) Module taught in: English							
	Method	d of ass	sessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English							
	other p	rerequ	isites	Appr	oval from examinat	tion committee require	ed.				
11-EXZ6-Int-201-	Nontec	hnical	Special To	pics				,			
mo1	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			V (3) + R (1) Module taught in: English						
			sessment	a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English							
	other p	rerequ	isites	Approval from examination committee required.							
11-EXNT6-Int-201-			Minor Sub	ject							
mo1	ECTS Course:	6 s	Duration	n 1 semester Method of grading numerical grade Modul level graduate V (3) + R (1) Module taught in: English							
				b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: English							
	other p	rerequ	isites	Appr	oval from examinat	tion committee require	ed.				
Master's with 1 major Qu	ıantum Engir	neering (2	026)				JMU Würzburg • generat	ed 25-Nov-2025 • exam. reg. data	record 88 j43 - - H 2026 page 22 / 23		

Master Project Mo	dules (6	o ECTS o	redits)										
11-FS-N-Int-201-	Profess	Professional Specialization Quantum Engineering											
mo1	ECTS	15	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	S		S (4) Modu	S (4) Module taught in: English								
	Method	d of asse	essment		talk with discussion (30 to 45 minutes) Language of assessment: English								
11-MP-N-Int-201-	Scienti	ific Meth	ods and	Projec	Project Management Quantum Engineering								
mo1	ECTS	15	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses			R (4) Module taught in: English									
	Method of assessment			talk with discussion (30 to 45 minutes) Language of assessment: English									
11-MA-N-Int-201-	Master	Thesis	Quantum	Engin	eering								
mo1	ECTS	30	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	:S		No co	No courses assigned to module								
	Method of assessment			Master's thesis (750 to 900 hours total) Language of assessment: English									
	Additio	nal Info	rmation	Time	to complete: 6 mont	hs							