



# **Annex SFB**

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

**Responsible:** Faculty of Management and Economics Examination regulations version: 2022 Abbreviations used: Course types:  $\mathbf{E} = \text{field trip}$ ,  $\mathbf{K} = \text{colloquium}$ ,  $\mathbf{O} = \text{conversatorium}$ ,  $\mathbf{P} = \text{placement/lab course}$ ,  $\mathbf{R} = \text{project}$ ,  $\mathbf{S} = \text{seminar}$ ,  $\mathbf{T} = \text{tutorial}$ ,  $\mathbf{\ddot{U}} = \text{exercise}$ ,  $\mathbf{V}$ = lecture Term: **SS** = summer semester, **WS** = winter semester Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = list of modules Other: A =thesis, LV =course(s), PL =assessment(s), TN =participants, VL =prerequisite(s) Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-Conventions for the modules in this SFB: ditable for bonus. Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me-Information on thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the assessment procedures: customary manner. Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below. Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

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

#### ASPO2015

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

### 27-Apr-2022 (2022-28)

### 15-Jun-2023 (2023-57)

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	Dura	ation	(in semesters)	Method of grading	Module level					
	Courses		To be spe	o 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	sessment									
	Only after su completion c		if applica	if applicable							
	Other prereq	uisites	if applica	if applicable							
	Participants on of places		i- if applica	ble							
	Additional in	formation	if applica	if applicable							
	Referred to in	n LPO I	if applica	ble (examination	regulations for teaching	degree programmes)					

Compulsory Course	es (25 EC	CTS cred	lits)									
12-IV-161-m01	Inform	ation Pr	ocessing	within	Organizations							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	-	V (2) +	+ Ü (2)							
	Metho	d of asse	essment		n examination (appr							
					age of assessment: able for bonus	German and/or Engl	ish					
12-M-ITM-161-m01	IT-Man	agemen	ıt									
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) +	2) + Ü (2)							
	Metho	d of asse	essment	b) ora minut Langu	written examination (approx. 60 minutes) or oral examination (one candidate each: approx. 15 to 20 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 inutes) nguage of assessment: German and/or English editable for bonus							
12-PS-192-m01	Project	Project Seminar										
	ECTS	15	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	-		S (2)					0			
	Metho	d of asse	essment	300 h Langu	project: preparing a conceptual design (approx. 150 hours), designing and implementing an approach to solution (approx. 300 hours) as well as presentation (approx. 20 minutes), weighted 1:2:1 Language of assessment: German and/or English creditable for bonus							
<b>Compulsory Electiv</b>	es I: Fur	ndament	tals Com	outer S	cience (10 ECTS crea	lits)						
10-I=IR-212-m01	Inform	ation Re	trieval									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) +	+ Ü (2)							
			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 candi- date). Language of assessment: German and/or English creditable for bonus								
	Additic	onal Info	rmation	Focus	es available for stud	lents of the Master's	programme Informatik (Compu	uter Science, 120	o ECTS credits): IT,KI,HCI,GE			

10-l=SSS-212-m01	Securit	Security of Software Systems											
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5			+ Ü (2)	· · · · · · ·		÷					
					le taught in: English								
	Method	l 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 candi-								
				date).									
				Langu	Language of assessment: English								
					creditable for bonus								
	Additio	nal Info	rmation	Focus ES, SE		lents of the Master's	programme Informatik (Compu	iter Science, 120	ECTS credits): SE, KI, LR, HCI,				
10-I=SAR-161-m01	Softwa	re Archi	tecture										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	5	_	V (2) +	+ Ü (2)			•					
	Method	l of ass	essment			rox. 60 to 120 minute							
					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 candi-								
					date).								
				Langu	Language of assessment: German and/or English								
					creditable for bonus								
	Additio	nal Info	rmation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES								
	Referre	d to in L	PO I	§ 22	l Nr. 3 b)								
10-l=Kl1-212-m01	Artificia	al Intell	igence 1										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		V (2) +	+ Ü (2)								
	Method	l of ass	essment			rox. 60 to 120 minute							
									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 candi- date).									
				· · ·	Language of assessment: German and/or English								
					able for bonus								
	Additio	nal Info	rmation	Focus	es available for stud	lents of the Master's	programme Informatik (Compu	iter Science, 120	ECTS credits): AT,SE,KI,HCI				

· · · ·	Discret	e Event	Simulatio	on								
	ECTS	8	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (4) -	V (4) + Ü (2)							
	Methoo	1 of asse	essment	lf ann of one date). Langu	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 candi- date). Language of assessment: German and/or English creditable for bonus							
	Additional Information			IT,KI,E	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): T,KI,ES,GE							
10-I=APR-212-m01		ed Prog	gramming					<u>.</u>				
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	-			/ (2) + Ü (2)							
	Additional Information			lf ann of one date). Langu	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 candi- date). Language of assessment: German and/or English creditable for bonus							
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,KI,LR, HCI, ES,GE,SEC								
10-I-DM-152-m01	Data M	ining										
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	-		V (2) + Ü (2)								
	Methoo	1 of asse	essment	lf ann of one date). Langu	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 candi- date). Language of assessment: German and/or English creditable for bonus							
	Referre	ed to in L	POI	§ 22	l Nr. 3 b)							

10-I=NLP-212-m01	Machine Learning for Natural Language Processing													
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	S		V (2) -	- + Ü (2)			•						
				If ann of one date). Langu credit	anguage of assessment: German and/or English reditable for bonus									
						lents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): AT,KI,HCI					
	Referre			§ 22	l Nr. 3 b)			T						
10-l=Kl2-212-m01		-	gence 2											
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	-		V (2) -										
				If ann of one date). Langu credit	ounced by the lectu e candidate each (ap lage of assessment: able for bonus	oprox. 20 minutes) or German and/or Engl	of the course, the writte an oral examination in ish	groups of 2 candidates	eplaced by an oral examination (approx. 15 minutes per candi-					
						lents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): AT,SE,KI,HCI,GE					
10-I=PNN-212-m01	Program	nming v	with neur	al nets										
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	-		V (2) -										
	Method	l of asse	essment	lf ann of one date). Langu	ounced by the lectu e candidate each (ap		of the course, the writte an oral examination in		eplaced by an oral examination 6 (approx. 15 minutes per candi-					
	Additio	nal Info	rmation	Focus	es available for stud	lents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): SE,IT,KI,HCI,GE					

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10-I=STM-162-m01	NLP an												
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (2) +	+ Ü (2)								
	Metho	d of ass	essment	lf ann of one date).	anguage of assessment: German and/or English								
	Additio	nal Info	rmation	Focus	ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, IT, HCI.								
	Referre	ed to in l	PO I	§ 22	22 ll Nr. 3 b)								
10-I=SB-212-m01	System	ns Benc	hmarking										
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (2) +	2) + Ü (2)								
	Metho	d of ass	essment	lf ann of one date). Langu	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 exam of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per date). Language of assessment: German and/or English creditable for bonus								
	Additio	onal Info	rmation	ation Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES,HCI,GE									
10-xtAl=CV-202-	· ·	ter Visi	on										
m01	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course				V (2) + Ü (2) Module taught in: English								
	Metho	d of ass	essment	lf ann of one date). Langu	ounced by the lectu	prox. 60 to 120 minutes) arer at the beginning of the course, the written exan approx. 20 minutes) or an oral examination in group English							

10-I=IP-222-m01	Image	Proces	sing and C	omput	ational Photograph	iy .						
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) - Modu	+ Ü (2) le taught in: English							
	Metho	d of acc	essment									
	Metho	u 01 a55	essment	lf ann	tten examination (approx. 60 to 120 minutes) nnounced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination							
					one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-							
				date).								
					creditable for bonus							
	Referre	ed to in	LPO I	§ 22	22 II Nr. 3 b)							
10-I=M-		ngual N	LP									
NLP-232-m01	ECTS											
	Course	S		V (2) -								
					le taught in: German							
	Metho	d of ass	essment			rox. 60 to 120 minutes)	mination may bo	replaced by an oral examination				
				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 candi-								
				date).			•					
				Language of assessment: German and/or English creditable for bonus								
	Referre	d to in	LPO I	§ 22    Nr. 3 b)								
10-I=SNA-232-m01	Statist	ical Net	work Ana	lysis								
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -								
					le taught in: English							
	Metho	d of ass	essment			rox. 60 to 120 minutes). Irer at the beginning of the course, the written exa	mination may be	replaced by an oral examination				
						pprox. 20 minutes) or an oral examination in grou						
				date).								
				Language of assessment: English creditable for bonus								
	Additio	onal Info	ormation	Focus	es available for stud	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): IN				

10-l=0R-232-m01	Operat	Operations Research												
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			/ (2) + Ü (2)									
					Module taught in: German and/or English									
	Methoo	d of asso	essment	If ann of one date). Langu credit	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 candi- date). Language of assessment: German and/or English creditable for bonus									
	Additional Information			Focus	es available for stu	idents of the Master's	programme Informatik (Comp	uter Science, 120	o ECTS credits): IN					
	Referre	d to in L	PO I	§ 22	I Nr. 3 b)									
10-I=MLN1-232-	Machir	ne Learn	ing for Ne	etwork	S 1									
m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	1			(2) + Ü (2) odule taught in: English									
	Method of assessment			lf ann of one date). Langu	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 examina of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per ca date). 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): AT,IT,SE,KI,HCI,IN										
	Referre	d to in L	PO I	§ 22	§ 22 II Nr. 3 b)									
10-I=DM-232-m01	Data S	cience												
	ECTS 5 Durat				1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	-			+ Ü (2)									
			essment	If ann of one date). Langu credit	Language of assessment: German and/or English creditable for bonus									
	Additic	onal Info	rmation	Focus SEC, I		udents of the Master's	programme Informatik (Comp	outer Science, 120	o ECTS credits): IT, KI, HCI, GE,					

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**Compulsory Electives II: Tracks (40 ECTS credits)** Out of the five tracks, students may select two.

### Track 1. Enterprise Systems (20 ECTS credits)

Track 1: Enterprise	Systems	S (20 EC	IS create	s)								
12-GPU-222-m01	Busine	ss Softv	ware 1									
	ECTS	5	Duration	n	1 semester	Method of grading num	erical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)	- · · ·		•				
	Method	d of ass	essment	a) wri	tten examination (	approx. 60 minutes) or						
				b) ora	b) oral examination (one candidate each: 10 to 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes)							
				or	m nonor (re to oo r							
					c) term paper (15 to 20 pages) Language of assessment: German and/or English							
				Assessment offered: Once a year, winter semester								
				creditable for bonus								
		oants ar of place		<ul> <li>20 places.</li> <li>Should the number of applications exceed the number of available places, places will be allocated as follows: <ol> <li>(1) Master's students of Information Systems will be given preferential consideration.</li> <li>(2) The remaining places will be allocated to students of other subjects.</li> <li>(3) When places are allocated in accordance with (1) and (2) and the number of applications exceeds the number of available places, places will be allocated by lot among applicants from this group.</li> </ol> </li> </ul>								
12-M-ERP-222-m01	Business Software 2											
	ECTS	5	Duration		1 semester	Method of grading num	erical grade	Modul level	graduate			
	Course	S		V (2) ·	+ Ü (2)							
	Methoo	d of asso	essment	a) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 10 to 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) or c) term paper (15 to 20 pages) Language of assessment: German and/or English Assessment offered: Once a year, summer semester creditable for bonus								
		oants ar of place		<ul> <li>20 places.</li> <li>Should the number of applications exceed the number of available places, places will be allocated as follows: <ul> <li>(1) Master's students of Information Systems will be given preferential consideration.</li> <li>(2) The remaining places will be allocated to students of other subjects.</li> <li>(3) When places are allocated in accordance with (1) and (2) and the number of applications exceeds the number of available places, places will be allocated by lot among applicants from this group.</li> </ul> </li> </ul>								

12-M-ES-161-m01	Advan	Advanced Seminar: Enterprise Systems												
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Cours	es		S (2)				•						
	Metho	od of ass	essment	term p	oaper (approx. 20 to	25 pages) and prese	ntation (approx. 20 minutes), v	weighted 2:1						
						German and/or Engl								
	Participants and allo- cation of places				20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be									
			-		allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.									
Track 2: Business	Analyti	cs (20 EC	TS credits	s)										
12-M-DSS-192-	Decis	ion Supp	ort Syste	ms										
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Cours	es	<u>.</u>	V (2) +	(2) + Ü (2)									
	Metho	od of ass	essment	b) ora minut Langu	a) Written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) Language of assessment: German and/or English creditable for bonus									
	Participants and allo- cation of places			(1) Ma (2) Th (3) Wł	d the number of app ster's students of Ir e remaining places nen places are alloca	nformation Systems w will be allocated to st ated in accordance w	number of available places, pl vill be given preferential consid udents of other subjects. ith (1) and (2) and the number pplicants from this group.	leration.	ocated as follows: exceeds the number of available					
12-BI-192-m01	Analy	tical Info	rmation S	System	S			_						
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Cours	es		V (2) +	- Ü (2)	· · · · ·								
	Metho	od of ass	essment	Langu	written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus									
	Participants and allo- cation of places			<ul> <li>40 places.</li> <li>WM1:</li> <li>Should the number of applications exceed the number of available places, places will be allocated as follows: <ol> <li>Master's students of Information Systems will be given preferential consideration.</li> <li>The remaining places will be allocated to students of other subjects.</li> <li>When places are allocated in accordance with (1) and (2) and the number of applications exceeds the number of available places, places will be allocated by lot among applicants from this group.</li> </ol> </li> </ul>										

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12-M-BUA-161-m01	Busine	ss Analy	/tics								
	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		S (2)	~		3				
	Metho	d of asse	essment	Langu	term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: Once a year, winter semester						
		oants an of place		all ap	o places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among Il applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be Ilocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.						
Track 3: Electronic	Busines	s (20 EC	TS credit	:s)							
12-M-IBS-192-m01	E-Busi	ness Str	ategies								
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) ·	+ Ü (2)						
	Method of assessment			b) ora minut Langu	a) Written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) Language of assessment: German and/or English creditable for bonus						
		oants an of place		(1) Ma (2) Th (3) Wl	d the number of app aster's students of Ir e remaining places nen places are alloca	blications exceed the number of available places, formation Systems will be given preferential cons will be allocated to students of other subjects. ated in accordance with (1) and (2) and the numbe cated by lot among applicants from this group.	ideration.				
12-M-MUS-222-	Mobile	and Ub	iquitous	Busine	Jusiness						
m01	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			Ü (2) + V (2)							
	Metho	d of asse	essment	b) ora minut Langu	l examination (one one of the second se	oprox. 60 minutes) or candidate each: approx. 15 to 20 minutes; groups German and/or English	of 2: approx. 20 I	minutes; groups of 3: approx. 30			

12-M-SE-	Seminar: E-Business Strategies												
BS-161-m01	ECTS	10	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S		S (2)									
	Methoo	d of ass		Langi	term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
		pants ar of place		all ap	plicants irrespective	e of their subjects. (2)	) Places on all courses of the n	module with a res	aces will be allocated by lot among stricted number of places will be d by lot as they become available.				
Track 4: Global Op	erations	and Inf	ormation	Manaş	gement (20 ECTS cre	edits)							
12-M-UGF1-182-	Corporate Entrepreneurship												
mo1	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S			/ (2) + Ü (2) Module taught in: English								
	Methoo	d of ass	essment	b) ter c) ora nutes	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) or c) oral examination of one candicate each (approx. 10 to 15 minutes) or oral examination in groups (groups of 2 approx. 20 mi- nutes, groups of 3 approx. 30 minutes) Language of assessment: English								
12-M-UGF3-182-	Digital Entrepreneurship												
m01	ECTS	5	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	:S		V (2) + Ü (2) Module taught in: English									
	Method	d of ass	essment	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) Language of assessment: English									
12-M-SAS-182-m01	Advanc	ced Serr	inar: Entr	epren	epreneurship and Management								
	ECTS	10	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S		S (2)									
	Methoo	d of ass		Langi	term paper (approx. 20 pages) and presentation (15 to 30 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
	Participants and allo- cation of places			all ap	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								

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Track 5: Operations	s Management	t (20 ECTS	credits	)						
12-M-GL-	Global Logist	tics & Supp	oly Cha	in Management						
SC-182-m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			+ Ü (2)	· · ·	·				
				Module taught in: English						
	Method of as	sessment	a) written examination (approx. 60 minutes) or							
				b) term paper (approx. 15 to 20 pages) Language of assessment: English						
				able for bonus						
12-M-AOLM-182-	Advanced Op	erations &	Logist	tics Management						
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			+ Ü (2)		•				
				le taught in: English						
	Method of as	sessment			oprox. 60 minutes) or					
				m paper (approx. 15 Jage of assessment:						
			creditable for bonus							
12-M-SN-161-m01	Seminar: Operations Management									
	ECTS 10 Duratio		n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		S (2)			•				
	Method of as	sessment	term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1							
			Language of assessment: German and/or English							
<b>.</b>		( = = = = =	Assessment offered: Once a year, winter semester							
Compulsory Electiv	<b>T</b>									
12-ACSE-161-m01	· · ·			tem Engineering						
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			+ Ü (2)			_			
	Method of as	sessment		tten examination (aj m paper (approx. 20	oprox. 60 minutes) or					
						ns of 2. approx 20 n	ninutes, groups of 2, approx 30			
			c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes)							
			Language of assessment: German and/or English							
				able for bonus						
	Participants a				number of applications exceed the number of a					
	cation of plac	ces			e of their subjects. (2) Places on all courses of t cedure. (3) A waiting list will be maintained and					
			unocu	ated in the sume pro	cedure. G) A waiting list will be maintained and	a places le allocatee	by lot as they become available.			

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12-GLP-161-m01	Busine	siness Processes Organisation, Business Software and Process Industries										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		V (2)	+ Ü (2)	•		•				
	Metho	d of ass	essment	writte	vritten examination (approx. 60 minutes)							
						t: German and/or Eng	lish					
			-		able for bonus							
		pants ar			to places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among							
	cation	of place	S		all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.							
12-ITA-161-m01	Work a	and Infor	mation									
	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es	_	V (2)	•	·	-	•				
	Metho	d of ass	essment			approx. 60 minutes) o						
						candidate each: app	rox. 15 to 20 minutes; groups of	f 2: approx. 20	minutes; groups of 3: approx. 30			
				minut		t: German and/or Eng	lich					
12-M-ATW1-161-	Topics	in Rucir	Jose Info	-	n Systems 1							
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	-	Duratio		+ Ü (2)	Method of glading	numencal grade	Modulievei	graduate			
	Course			Course type: alternatively S instead of V + Ü								
	Metho	d of ass	essment	a) wri	a) written examination (approx. 60 minutes) or							
					b) presentation (15 to 20 minutes) and written elaboration (approx. 20 pages); (weighted 1:2) or							
				c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30								
					minutes) Language of assessment: German and/or English							
					creditable for bonus							
12-M-ATW2-161-	Topics	in Busir	ness Info	rmatio	nation Systems 2							
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es			+ Ü (2)	•						
				Course type: alternatively S instead of V + Ü								
	Metho	d of ass	essment	a) wri	tten examination (a	approx. 60 minutes) o	r		、 、			
							elaboration (approx. 20 pages)					
				minut		candidate each: app	ox. 10 to 15 minutes; groups of	2: approx. 20 f	ninutes; groups of 3: approx. 30			
						t: German and/or Eng	lish					
					able for bonus	. 0						

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12-M-ISR-192-m01	Information systems research												
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)								
	Method	d of ass	essment	b) ora minu Langi	<ul> <li>a) Written examination (approx. 60 minutes) or</li> <li>b) oral examination (one candidate each: approx. 15 to 20 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> <li>40 places.</li> <li>Should the number of applications exceed the number of available places, places will be allocated as follows:</li> <li>(1) Master's students of Information Systems will be given preferential consideration.</li> <li>(2) The remaining places will be allocated to students of other subjects.</li> <li>(3) When places are allocated in accordance with (1) and (2) and the number of applications exceeds the number of available places, places will be allocated by lot among applicants from this group.</li> </ul>								
		oants ar of place		Shou (1) Ma (2) Th (3) W									
10-I=DB2-212-m01	Databa	ises 2											
	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)								
	Methoo	d of ass	essment	lf anr of on date) Langu	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 candi- date). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, KI, HCI									
10-l=CB-161-m01	Compil	er Cons	truction										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)								
	Methoo	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 candi- date). Language of assessment: German and/or English creditable for bonus									
	Additio	onal Info	ormation		ses available for s ,IS,GE	tudents of the Master's	programme Informati	k (Computer Science, 120	o ECTS credits):				

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10-l=lR-212-m01	Information Re	nation Retrieval									
	ECTS 5	Duration	1 1 S	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V (2) + Ü (	(2)							
	Method of ass	essment	If announ of one car date). Language	nced by the lectur Indidate each (ap		of the course, the written exami r an oral examination in groups					
	Additional Info	rmation	Focuses a	ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,KI,HCI,GE							
10-l=Kl1-212-m01	Artificial Intell	igence 1									
	ECTS 5	Duration	n 15	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	-	V (2) + Ü (	(2)			Α	-			
	Method of ass		If announ of one car date). Language creditable	nced by the lectur Indidate each (ap e of assessment: e for bonus	oprox. 20 minutes) of German and/or Engl	of the course, the written exami r an oral examination in groups ish	of 2 candidates	s (approx. 15 minutes per ca	andi-		
	Additional Info	ormation	Focuses a	available for stuc	lents of the Master's	programme Informatik (Compu	iter Science, 120	<pre>&gt; ECTS credits): AT,SE,KI,HC</pre>	1		
10-I=Kl2-212-m01	Artificial Intell	igence 2									
	ECTS 5	Duration	-	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V (2) + Ü (	(2)							
	Method of ass	essment	If announ of one car date). Language	nced by the lectur Indidate each (ap		of the course, the written exami r an oral examination in groups					
	Additional Info	ormation	Focuses a	available for stuc	lents of the Master's	programme Informatik (Compu	iter Science, 120	ECTS credits): AT,SE,KI,HC	JI,GE		
10-l=EL-212-m01	E-Learning										
	ECTS 5	Duration		semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V (2) + Ü (	(2)							
	Method of ass		If announ of one car date). Language creditable	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 candi- date). Language of assessment: German and/or English creditable for bonus							
	Additional Info	rmation	Focuses a	available for stuc	lents of the Master's	programme Informatik (Compu	iter Science, 120	DECTS credits): SE, IT, KI, H	CI, GE		
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10-I=PM-212-m01	Professional Project Management											
	ECTS	5	Duratio	n	1 semester	Method of grading numerical gra	ade	Modul level	graduate			
	Course	es		V (4)	'(4)							
	Metho	d of ass	essment	If ann 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 candi- date). Language of assessment: German and/or English							
					creditable for bonus							
		prerequi			·	eting module 10-I=PRJAK in parallel.						
	Additio	onal Info	ormation		ses available for s KI,ES,LR,HCI,GE	tudents of the Master's programme Ir	nformatik (Comput	er Science, 12	o ECTS credits):			
10-I=A-	Algorit	hms fo	r Geograp	hic Inf	ic Information Systems							
GIS-212-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical gra	ade	Modul level	graduate			
	Courses			V (2)	+ Ü (2)							
	Method of assessment			If ann of on date) Langu	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral exar of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes pe date). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,KI,HCI,LR							
10-HCI=RIS-182-	Real-Time Interactive Systems											
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical gra	ade	Modul level	graduate			
	Course	es		$V(2) + \ddot{U}(2)$								
	Method of assessment			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 candi- date). Language of assessment: German and/or English creditable for bonus								
	Additio	onal Info	ormation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI. Cf. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).							
	Referre	ed to in	LPO I	§ 22	l Nr. 3 b)							

10-l=LP-212-m01	Logic Programming											
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Mo	odul level	graduate			
	Course	S		V (2)	$(2) + \ddot{U}(2)$							
	Methoo	l of ass	essment	lf anr of on date) Langi	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 candi- date). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	ormation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,KI							
	Referre	d to in	LPO I	§ 22	ll Nr. 3 b)							
10-I=NLP-212-m01	Machine Learning for Natural Language Processing											
	ECTS	5	Duratio	า	1 semester	Method of grading numerical grade	M	odul level	graduate			
	Course	S		V (2)	+ Ü (2)		•					
				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								
	Additional Information			Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,KI,HCI							
	Referred to in LPO I			§ 22 II Nr. 3 b)								
10-I=MI-212-m01	Medical Informatics											
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	M	odul level	graduate			
	Course	S		V (2)	+ Ü (2)							
	Methoo	l 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 candi- date). Language of assessment: German and/or English creditable for bonus								
				credi	table for bonus							
	Additio	nal Info	ormation			students of the Master's programme Inform	matik (Computer S	Science, 12	o ECTS credits): SE, IT, KI, HCI, GE			

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10-I=PNN-212-m01	no1 Programming with neural nets										
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Cours	ses	_	V (2) -	V (2) + Ü (2)						
	Meth	od of ass	essment	written examination (approx. 60 to 120 minutes)							
						rer at the beginning of the course, the written exam					
				of one date).		oprox. 20 minutes) or an oral examination in group	s of 2 candidates	s (approx. 15 minutes per candi-			
						German and/or English					
				Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focus	es available for stud	dents of the Master's programme Informatik (Comp	uter Science, 120	ECTS credits): SE,IT,KI,HCI,GE			
10-I=R01-212-m01	Robo	tics 1									
	ECTS 8 Duration			า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			V (4) -		· ·					
				Module taught in: English							
	Method of assessment				written examination (approx. 60 to 90 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 candi-							
				date).							
				Separ	ate written examina	tion for Master's students					
					Language of assessment: English creditable for bonus						
			0	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI, ES, LR, HCI, GE							
10-I=SSS-212-m01		- <u>-</u>	ftware Sys								
	ECTS		Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Cours	ses		$V(2) + \ddot{U}(2)$							
	AA - 41-			Module taught in: English written examination (approx. 60 to 120 minutes)							
	Meth	od of ass	sessment			rox. 60 to 120 minutes) rer at the beginning of the course, the written exam	vination may be	conlaced by an oral examination			
				ofone	e candidate each (ar	pprox. 20 minutes) or an oral examination in group	s of 2 candidates	s (approx. 15 minutes per candi-			
				of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date).							
					age of assessment:	English					
					able for bonus						
	Addit	ional Info	ormation			dents of the Master's programme Informatik (Comp	uter Science, 120	b ECIS credits): SE, KI, LR, HCI,			
				ES, SE							

10-l=ST-212-m01	Discrete Event Simulation												
	ECTS	8	Duration	ו	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		V (4) ·	(4) + Ü (2)								
	Method	l of asse		If ann of one date). Langu	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 candi- date). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): T,KI,ES,GE								
10-I=SAR-161-m01	Softwa	re Archi	tecture										
	ECTS 5 Duratio			۱	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		V (2) ·	(2) + Ü (2) rritten 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 candi- date). Language of assessment: German and/or English creditable for bonus									
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES									
	Referre		-	§ 22	I Nr. 3 b)								
10-I=STM-162-m01	NLP and	d Text N	Aining										
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	s		V (2) ·	+ Ü (2)								
	Method	l of asse		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 candi- date). Language of assessment: German and/or English									
	Additio	nal Info	rmation	Focus	es available for s	tudents of the Master's	programme Informatik (	Computer Science, 12	o ECTS credits): AT, IT, HCI.				
	Referre	d to in L	PO I	§ 22	l Nr. 3 b)								

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10-I=PRJAK-212-	Project - Curre	ect - Current Topics in Computer Science									
m01	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		P (4)								
	Method of asse	essment	Language of assessment Assessment offered: In t	t: German and/or Eng he semester in which ot be another project	the course is offered (Each pro	oject is offered o	one time only. The project will not re, only be offered for the project				
	Additional Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, KI, ES, LR, HCI, GE								
12-M-IMM-161-m01	International N	Aarketing									
	ECTS 5	Duration		Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + Ü (2)								
	Method of asse	essment		written examination (approx. 60 minutes) _anguage of assessment: German and/or English							
12-M-SM-161-m01	Strategic Mark	eting									
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + Ü (2)								
	Method of asse	essment	Language of assessment: German and/or English								
12-M-BE-192-m01	1 Industrial Management 4										
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + Ü (2)			3					
	Method of asse	essment	a) Written examination (approx. 40 to 60 minutes) or b) Presentation (approx. 20 minutes) and term paper (15 to 20 pages), weighted 1:1 or c) Term paper (30 to 40 pages) or d) entirely or partly computerised written examination (approx. 60 minutes) or e) Portfolio (approx. 20 pages) Language of assessment: German and/or English creditable for bonus								
	<ul> <li>Participants and allocation of places</li> <li>(1) A total of 15 places will be allocated to students of the Master's degree programmes Management as well as International Economic Policy.</li> <li>Should the number of applications exceed 15, these places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.</li> <li>(2) A total of 5 places will be allocated to students of the Master's degree programme Information Systems. Should the number of applications exceed 5, these places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.</li> <li>(3) When places are allocated in accordance with (1) and (2) and the number of applications exceeds the number of available places, places will be allocated by lot among applicants from this group.</li> </ul>										
Mastalauth	Additional Info		module can be taught in	form of E Learning co	urse, seminar, workshop etc.						
Master's with 1 major Info	milation Systems (202	2)			JMU Würzburg • generated o2-Aug-2	2025 • exam. reg. data	record 88 j10 - - H 2022 page 22 / 39				

12-M-LA-182-m01	Industrial Management 2											
	ECTS	5	Duratior	I	1 semester	Method of grading numerica	l grade	Modul level	graduate			
	Course	S			V (2) + Ü (2) Course type: might also be offered as eLearning, seminary, workshop, etc.							
	Methoo	1 of ass	sessment	<ul> <li>a) written examination (approx. 40 to 60 minutes) or</li> <li>b) presentation (approx. 20 minutes) and term paper (15 to 20 pages), weighted 1:1 or</li> <li>c) term paper (30 to 40 pages) or</li> <li>d) entirely or partly computerised written examination (approx. 60 minutes) or</li> <li>e) portfolio (approx. 20 pages)</li> <li>Language of assessment: German and/or English creditable for bonus</li> </ul>								
	Particip cation		nd allo- es	all ap	plicants irrespect	he number of applications exceed tive of their subjects. (2) Places on procedure. (3) A waiting list will be	all courses of the n	nodule with a res				
12-M-SBM-182-	Industr	rial Ma	nagement	1								
m01	ECTS	5	Duration	l	1 semester	Method of grading numerica	l grade	Modul level	graduate			
	Course	S			V (2) + Ü (2) Course type: might also be offered as eLearning, seminary, workshop, etc.							
			sessment	a) written examination (approx. 40 to 60 minutes) or b) presentation (approx. 20 minutes) and term paper (15 to 20 pages), weighted 1:1 or c) term paper (30 to 40 pages) or d) entirely or partly computerised written examination (approx. 60 minutes) or e) portfolio (approx. 20 pages) Language of assessment: German and/or English creditable for bonus								
	Particip cation		nd allo- es	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								
12-M-SPM-182-	Industrial Management 3											
m01	ECTS	5	Duration		1 semester	Method of grading numerica	l grade	Modul level	graduate			
	Course			V (2) + Ü (2) Course type: might also be offered as eLearning, seminary, workshop, etc.								
	Methoo	1 of ass	sessment	<ul> <li>a) written examination (approx. 40 to 60 minutes) or</li> <li>b) presentation (approx. 20 minutes) and term paper (15 to 20 pages), weighted 1:1 or</li> <li>c) term paper (30 to 40 pages) or</li> <li>d) entirely or partly computerised written examination (approx. 60 minutes) or</li> <li>e) portfolio (approx. 20 pages)</li> <li>Language of assessment: German and/or English creditable for bonus</li> </ul>								
	Particip cation		nd allo- es	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								
Master's with 1 major Int	formation Sy	stems (20	022)			JMU WÜ	rzburg • generated 02-Aug-2	2025 • exam. reg. data	record 88 j10 - - H 2022 page 23 / 39			

12-M-UA-161-m01	Financia	l State	ment Ana	lysis a	and Business Valua	ation			·		
	ECTS	5	Duration	۱	1 semester	Method of grading numerical gr	rade	Modul level	graduate		
	Courses			V (2) ·	/ (2) + Ü (2)						
	Method	ofasse	essment	written examination (approx. 60 to 120 minutes)							
				Language of assessment: German and/or English creditable for bonus							
12-M-CF1-182-m01	Discoun	tod Ca	chflow	crean	able for bonus						
12-10-CF1-162-11101			1		1 comostor	Mothod of grading numerical gr	240	Madullaval	graduata		
	ECTS Courses	-	Duratior		1 semester + Ü (2)	Method of grading numerical gr	aue	Modul level	graduate		
			essment			anneau (a ta aa minutaa) ar					
	Method	01 8556	essment		m paper (approx. 1	approx. 60 to 90 minutes) or					
						t: German and/or English					
		creditable for bonus									
12-M-CF2-182-m01		o and C	apital Ma	rket T	ket Theory						
	ECTS	5	Duration		1 semester	Method of grading numerical gr	rade	Modul level	graduate		
	Courses			V (2) ·	+ Ü (2)						
	Method	ofasse	essment			approx. 60 to 90 minutes) or					
					m paper (approx. 1						
				Language of assessment: German and/or English creditable for bonus							
12-M-CF3-222-m01	Risk Ma	nagem	ent								
	ECTS 5 Duratio			า	1 semester	Method of grading numerical gr	rade	Modul level	graduate		
	Courses			V (2) ·	V (2) + Ü (2)						
	Method	ofasse	essment	a) written examination (approx. 60 to 90 minutes) or							
				b) term paper (approx. 15 pages)							
				Language of assessment: German and/or English creditable for bonus							
12-M-CF5-182-m01	Risk me	asuren	nent and i	risk va	luation: Concepts a	and applications for banks					
	ECTS	5	Duration	า	1 semester	Method of grading numerical gr	rade	Modul level	graduate		
	Courses			V (2) ·	+ Ü (2)						
	Method	ofasse	essment			approx. 60 minutes) or					
					m paper (approx. 1						
					age of assessment able for bonus	t: German and/or English					
				cieult							

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12-M-SP-161-m01	Econor	Economics of Tax Planning											
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	(2) + Ü (2)								
	Metho	d of ass	essment	a) wri	a) written examination (approx. 60 minutes) or								
				b) term paper (approx. 15 pages) or									
					c) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English								
					creditable for bonus								
12-M-STB-161-m01	Tax Ac												
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)								
	Metho	d of ass	essment			(approx. 60 minutes) o	r						
					m paper (approx.		• • • •						
					c) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English								
					creditable for bonus								
12-M-AO-222-m01	Incentives in Organizations												
	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				+ Ü (2)			,					
				Module taught in: English									
	Methoo	d of ass	essment	a) written examination (approx. 60 minutes) or									
				b) term paper (approx. 15 pages) Language of assessment: English									
12-M-HRM-222-	Human Resource Management and Industrial Relations												
m01	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	<u> </u>	2 4. 4. 6		+ Ü (2)				3.00000				
		-			Module taught in: English								
	Method	d of ass	essment			(approx. 60 minutes) o	r						
				b) term paper (approx. 15 pages)									
			<u> </u>	-	uage of assessme	nt: English							
		oants ai of place	nd allo-	WM6		c with regard to availab	la placas for studan	ts of the Master's degree	programmes Management, Inter-				
	cation	or place	5						conomics) and Chinese and Econo-				
									lents of other subjects; should the				
								ese places will be allocate					

Master's with 1 major Information Systems (2022)			
	Master's with 1 major Information Systems (2022)	JMU Würzburg • generated 02-Aug-2025 • exam. reg. data record 88 j10 - - H 2022	page 25 / 39

12-M-SAS-182-m01	Advanced Sem	dvanced Seminar: Entrepreneurship and Management											
	ECTS 10	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		S (2)	~			·						
	Method of asse	essment	Langu	erm paper (approx. 20 pages) and presentation (15 to 30 minutes), weighted 2:1 anguage of assessment: German and/or English Assessment offered: Once a year, winter semester									
	Participants an cation of place		all ap	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.									
12-M-UGF2-182-	Corporate Stra	tegy											
m01	ECTS 5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			(2) + Ü (2) Nodule taught in: English									
	Method of asse		b) terr c) ora nutes	) written examination (approx. 60 to 120 minutes) or ) term paper (15 to 20 pages) or ) oral examination of one candidate each (approx. 10 to 15 minutes) or oral examination in groups (groups of 2 approx. 20 mi- utes, groups of 3 approx. 30 minutes) anguage of assessment: English									
12-M-CIU-222-m01	Change Manag	ement											
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		V (2) -	+ Ü (2)									
	Method of asse	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus										
12-M-INST-182-	Strategic Managerial Accounting												
m01	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		V (2) -	+ Ü (2)									
	Method of assessment       a) written examination (approx. 60 minutes) or         b) term paper (approx. 15 pages)         Language of assessment: German and/or English         creditable for bonus												
12-M-KO-	Coordination, I	Budgetin	g and I	ncentives in Organi	zations								
BO-182-mo1	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		V (2) -	+ Ü (2)									
	Method of asse	essment	b) teri Langu	m paper (approx. 15	oprox. 60 minutes) o pages) German and/or Engl								
Master's with 1 major Info	ormation Systems (202	2)				JMU Würzburg • generated 02-Aug-2	025 • exam. reg. data	record 88 j10 - - H 2022 page 26 / 39					

Project	Project Management and Control											
ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
Course	es		S (2)	(2)								
Metho	d of ass	essment										
Δεεοιμ	ting an	d Canital										
					Mathad of grading numerical grade	Madullaval	graduate					
					Method of grading humerical grade	Modulievel	gladuate					
		accmont	· · /		upprox 60 minutes) or							
Metho	u 01 a55	essment										
			Langu	lage of assessment								
ECTS	5	Duratio			Method of grading numerical grade	Modul level	graduate					
Course	es											
Metho	d of ass	essment										
			Langi	Language of assessment: English								
Strategic Management of Global Supply Chains												
ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
Courses												
Metho	d of ass	essment										
			creditable for bonus									
Strate	gic Deci	sions and										
					Method of grading numerical grade	Modul level	graduate					
			V (2)				0					
			Mòdu	lle taught in: Englisl	h							
Metho	d of ass	essment										
					: English							
	ECTS Course Metho ECTS Course Metho Metho Strates ECTS Course Metho Strates ECTS Course Metho	ECTS       5         Courses       Method of ass         Method of ass       Accounting and         ECTS       5         Courses       Method of ass         Method of ass       Method of ass         Method of ass       Method of ass         Method of ass       Strategic Man         ECTS       5         Courses       Method of ass         Method of ass       Method of ass         Strategic Man       ECTS         ECTS       5         Courses       Method of ass         Method of ass       Strategic Deci         ECTS       5         Courses       Strategic Deci         ECTS       5         Courses       Strategic Deci	ECTS       5       Duratio         Courses       Method of assessment         Accounting and Capital         ECTS       5       Duratio         Courses       Method of assessment         Method of assessment         Managerial Analytics &         ECTS       5         Method of assessment         Managerial Analytics &         ECTS       5         Method of assessment         Strategic Management         ECTS       5         Method of assessment         Strategic Management         ECTS       5         Method of assessment	ECTS5DurationCoursesS (2)Method of assessmentwritte Langu creditAccounting and Capital MarketECTS5DurationCoursesV (2)Method of assessmenta) wride b) ter Langu creditMethod of assessmenta) wride b) ter Langu creditManagerial Analytics & DecisiECTS5DurationCoursesV (2)Method of assessmenta) wride b) ter Langu creditCoursesV (2)Method of assessmenta) wride b) ter Langu creditStrategic Management of GlobECTS5DurationCoursesV (2) ModuMethod of assessmentwrite Langu creditStrategic Decisions and Comp ECTS5DurationCoursesCoursesV (2) ModuMethod of assessmentwrite Langu creditStrategic Decisions and Comp ECTS5DurationV (2) ModuMethod of assessmenta) write Langu creditMethod of assessmentb) ter Langu creditMethod of assessmenta) write b) ter Langu creditMethod of assessmentb) ter Langu creditMethod of assessmenta) write b) ter Langu creditMethod of assessmentb) ter Langu creditMethod of assessmentb) ter Langu creditMethod of assessmentb) ter Langu credit	Courses       S (2)         Method of assessment       written examination (app Language of assessment creditable for bonus         Accounting and Capital Markets         ECTS       5       Duration         Courses       V (2) + Ü (2)         Method of assessment       a) written examination (a b) term paper (approx. 19 Language of assessment creditable for bonus         Managerial Analytics & Decision Making         ECTS       5       Duration         S       1 semester         Courses       V (2) + Ü (2)         Managerial Analytics & Decision Making         ECTS       5         Duration       1 semester         Courses       V (2) + Ü (2)         Module taught in: Englisi         Method of assessment       a) written examination (a b) term paper (approx. 19 Language of assessment creditable for bonus         Strategic Management of Global Supply Chains         ECTS       5       Duration         Strategic Decisions and Competition         ECTS       5       Duration         Method of assessment       written examination (app Language of assessment creditable for bonus         Strategic Decisions and Competition       1 semester         Courses       V (2) + Ü (2) Module taught in: Englis         Method of	ECTS       5       Duration       1 semester       Method of grading       numerical grade         Courses       S (2)         Method of assessment       written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus         Accounting and Capital Markets         ECTS       5       Duration       1 semester       Method of grading       numerical grade         Courses       V (2) + Ü (2)         Method of assessment       a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus         Managerial Analytics       & Decision Making         ECTS       5       Duration       1 semester       Method of grading       numerical grade         Courses       V (2) + Ü (2)       Module taught in: English       Method of assessment       a) written examination (approx. 60 minutes) or b) term paper (approx. 15 to 20 pages) Language of assessment: English creditable for bonus         Strategic Management of Global Supply Chains         ECTS       5       Duration       1 semester       Method of grading       numerical grade         Courses       V (2) + Ü (2)       Module taught in: English       mumerical grade       Courses       V (2) + Ü (2)         Module taught in: English       mutene examination (approx. 60 minut	ECTS       5       Duration       1 semester       Method of grading       numerical grade       Modul level         Courses       S (2)       written examination (approx. 6 o minutes) Language of assessment: German and/or English creditable for bonus       Modul level         Accounting and Capital Markets       ECTS       5       Duration       1 semester       Method of grading       numerical grade       Modul level         Courses       V (2) + Ü (2)       Witten examination (approx. 6 o minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus       Modul level         Courses       V (2) + Ü (2)       Modul level       Modul level         Courses       V (2) + Ü (2)       Modul level       Modul level         Courses       V (2) + Ü (2)       Modul level       Modul level         Courses       V (2) + Ü (2)       Modul level       Modul level         Courses       V (2) + Ü (2)       Modul level       Modul level         Courses       V (2) + Ü (2)       Modul level       Modul level         Strategic Management of Global Supply Chains       ECTS       5       Duration       1 semester       Method of grading       numerical grade       Modul level         Courses       V (2) + Ü (2)       Module taught in: English       Meth					

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12-M-Tl1-182-m01	Theory o	of Indu	strial Org	anizat	ion							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				V (2) + Ü (2) Module taught in: English							
	Method	of asse	essment	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) Language of assessment: English creditable for bonus								
12-M-WPE-192-	Europea	n Com	petition F	olicy	icy							
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) Modu	V (2) Module taught in: English							
	Method	of asse	essment	b) ter Langu	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) Language of assessment: English creditable for bonus							
	Participants and allo- cation of places			WM6: There are no restrictions with regard to available places for students of the Master's degree programmes Management, Inter- national Economic Policy, Information Systems, Wirtschaftsmathematik (Mathematics for Economics) and Chinese and Econo- mics as well as China Business and Economics. A total of 20 places will be allocated to students of other subjects; should the number of applications exceed the number of available places, these places will be allocated by lot.								
12-M-0E1-182-m01	Econom	etrics 1										
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) + Ü (2) Module taught in: German (winter semester), English (summer semester)								
	Method	of asse	essment	b) ter Langu	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus							
12-M-AM-182-m01	Advance	ed Micr	oeconom	ics								
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) + Ü (2) Module taught in: English								
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: English creditable for bonus								

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12-M-APW1-161-	Selected Topics in Business Management and Economics 1												
m01	ECTS	5	Duration	l	1 semester	Method of grading num	erical grade	Modul level	graduate				
	Cours	ses		V (2)	+ Ü (2)								
		od of ass		a) written examination (approx. 60 to 90 minutes) or b) written examination (questions concerning mathematical methodology; approx. 120 minutes) or c) term paper (approx. 15 to 20 pages) or d) presentation (approx. 30 to 45 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus									
12-M-APW2-161- m01	Selee	cted Topic	s in Busiı	ness N	lanagement and E	conomics 2							
	ECTS	5	Duration		1 semester	Method of grading num	erical grade	Modul level	graduate				
	Cours	ses			+ Ü (2)								
		od of ass		<ul> <li>a) written examination (approx. 60 to 90 minutes) or</li> <li>b) written examination (questions concerning mathematical methodology; approx. 120 minutes) or</li> <li>c) term paper (approx. 15 to 20 pages) or</li> <li>d) presentation (approx. 30 to 45 minutes)</li> <li>Language of assessment: German and/or English</li> <li>Assessment offered: In the semester in which the course is offered</li> <li>creditable for bonus</li> </ul>					ites) or				
12-M-AWI1-161-	Selected Topics in Business Information Systems 1												
m01	ECTS		Duration		1 semester	Method of grading num	erical grade	Modul level	graduate				
	Cour	ses		V (2) + Ü (2) Course type: alternatively S instead of V + Ü									
	Meth	od of ass	essment	<ul> <li>a) written examination (approx. 60 minutes) or</li> <li>b) written examination consisting entirely or partly of multiple/single choice questions (approx. 60 minutes) or</li> <li>c) presentation (15 to 20 minutes) and written elaboration (approx. 20 pages); (weighted 1:2) or</li> <li>d) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or</li> <li>e) entirely or partly computerised written examination (approx. 60 minutes)</li> <li>Language of assessment: German and/or English creditable for bonus</li> </ul>									

12-M-AWI2-161-	Selecte	d Topic	s in Busir	iess In	formation System	ms 2					
m01	ECTS	5	Duration	า	1 semester	Method of grac	ling numerical grade	e	Modul level	graduate	
	Courses	Courses			V (2) + Ü (2) Course type: alternatively S instead of V + Ü						
	Method of assessment			b) writ c) pres d) ora minut e) enti Langu	a) written examination (approx. 60 minutes) or b) written examination consisting entirely or partly of multiple/single choice questions (approx. 60 minutes) or c) presentation (15 to 20 minutes) and written elaboration (approx. 20 pages); (weighted 1:2) or d) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or e) entirely or partly computerised written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus						
12-M-DM1-182-	Digital	Market	ing l								
m01	ECTS	5	Duration	1 I	1 semester	Method of grac	ling numerical grade	9	Modul level	graduate	
	Courses	S		V (2) + Modu	+ Ü (2) le taught in: Engl	ish					
	Method of assessment			a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) Language of assessment: English creditable for bonus							
12-M-DM2-182-	Digital	Digital Marketing II									
m01	ECTS 5 Duratio						Modul level	graduate			
	Courses	S		V (2) + Modu	+ Ü (2) le taught in: Engl	lish					
	Method of assessment			<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) term paper (15 to 20 pages)</li> <li>Language of assessment: English</li> <li>Assessment offered: In the semester in which the course is offered</li> <li>creditable for bonus</li> </ul>							
12-M-EC1-182-m01	E-Comn	nerce l									
	ECTS	5	Duration		1 semester	Method of grac	ling numerical grade	9	Modul level	graduate	
	Courses				V (2) + Ü (2) Module taught in: English						
	Method of assessment			b) terr Langu	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) Language of assessment: English creditable for bonus						

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	-												
12-M-TDS-222-m01	Topics	in Data	Science 1	L									
	ECTS	5	Duratio	n	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	25			+ Ü (2) Ile taught in: Englisl	n							
	Metho	d of ass	essment	b) ter Langu Asses	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus								
12-M-BUA-161-m01	Busine	Business Analytics											
	ECTS	10	Duration	n	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	-		S (2)									
	Method of assessment			Langi	term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
		pants ar of place		20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.									
12-M-SE-	Semin	ar: E-Bu	siness St	rategie	25								
BS-161-m01	ECTS	10	Duratio		1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	es		S (2)									
	Metho	d of ass	essment	term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: Once a year, winter semester									
	Participants and allo- cation of places			all ap	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								
12-M-SN-161-m01	Semin	ar: Oper	ations Ma	anager	nent								
	ECTS	10	Duratio	n	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	es		S (2)									
	Metho	d of ass	essment	Langi	term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: Once a year, winter semester								

12-M-TIF1-182-m01	Topics in Information Systems 1											
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2)	+ Ü (2)								
	Method of	fassessment	b) ora or c) terr Langu Asses	<ul> <li>a) written examination (approx. 60 minutes) or</li> <li>b) oral examination (one candidate each: 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or</li> <li>c) term paper (15 to 20 pages)</li> <li>Language of assessment: German and/or English</li> <li>Assessment offered: In the semester in which the course is offered creditable for bonus</li> </ul>								
12-M-TIF2-182-m01	Topics in	Information S	ystems	52								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2)	+ Ü (2)								
	Method of	f assessment	<ul> <li>a) written examination (approx. 60 minutes) or</li> <li>b) oral examination (one candidate each: 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or</li> <li>c) term paper (15 to 20 pages)</li> <li>Language of assessment: German and/or English</li> <li>Assessment offered: In the semester in which the course is offered</li> </ul>									
	<u></u>			able for bonus								
12-M-BUC-222- m01		1		nd Economics								
mor	ECTS 5 Courses	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + Ü (2) Module taught in: English									
		fassessment	written examination (approx. 60 minutes) Language of assessment: English creditable for bonus									
12-M-ECC-182-m01	Business	Communicati	on in P	rint, Online and Soc	ial Media							
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2)	+ Ü (2)								
	Method of	fassessment	Langu	written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus								
12-M-VGP-202-	Manageria	al Practice Le	ctures									
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		S (2)									
	Method of	fassessment		olio (approx. 15 page uage of assessment:	es) : German and/or Engl	ish						

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12-M-ATDS-222-	Topics in Data Science 2											
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es			V (2) + Ü (2)							
					Module taught in: English							
	Metho	od of ass	essment		a) written examination (approx. 60 minutes) or							
				l b) teri	b) term paper (approx. 15 pages) Language of assessment: German and/or English							
					Assessment offered: in the semester in which the course is offered							
					creditable for bonus							
12-M-VWP-211-	Econo	Economist Practice Lectures										
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es		S (2)	(2)							
	Metho	od of ass	essment		a) oral examination (one candidate each: approx. 10 to 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) or							
					b) term paper (approx. 10 pages) and presentation (approx. 15 minutes); (weighted 2:1) or							
					c) written examination (approx. 60 minutes) Language of assessment: German and/or English							
				Langu	lage of assessment	: German and/or Eng	lish					
12-M-EAI-221-m01		Enterprise Al										
	ECTS 5 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours				/ (2) + Ü (2)							
	Metho	od of ass	essment		a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) or							
						e candidate each (ar	nrox 20 minutes)					
						: German and/or Eng						
				credit	creditable for bonus							
12-M-Kl1-221-m01	Inform	nation Sy	ystems an	nd Artif	icial Intelligence 1							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es		V (2) ·	+ Ü (2)							
	Metho	od of ass	essment			pprox. 60 minutes) o						
					b) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) or							
					n paper (15 to 20 pa	ages) : German and/or Eng	lich					
							the course is offered					
					able for bonus							

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Γ

12-M-Kl2-221-m01	Information Systems and Artificial Intelligence 2											
	ECTS 4	5	Duratior	I	1 semester	Method of grading nu	ımerical grade	Modul level	graduate			
	Courses			V (2) +	r (2) + Ü (2)							
	Method	ofasse	essment	a) written examination (approx. 60 minutes) or								
				b) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) or								
				c) term paper (15 to 20 pages) Language of assessment: German and/or English								
					Assessment offered: In the semester in which the course is offered							
				creditable for bonus								
12-M-DSS-192-	Decision Support Systems											
m01	ECTS 4	5	Duration	า	1 semester	Method of grading nu	umerical grade	Modul level	graduate			
	Courses			V (2) +	/ (2) + Ü (2)							
	Method	ofasse	essment			pprox. 60 minutes) or						
						candidate each: approx	. 15 to 20 minutes, groups o	f 2: approx. 20 r	ninutes, groups of 3: approx. 30			
				minutes) Language of assessment: German and/or English								
				creditable for bonus								
	Participants and allo- cation of places			40 pla								
				Should the number of applications exceed the number of available places, places will be allocated as follows:								
				<ul> <li>(1) Master's students of Information Systems will be given preferential consideration.</li> <li>(2) The remaining places will be allocated to students of other subjects.</li> </ul>								
				(3) When places are allocated in accordance with (1) and (2) and the number of applications exceeds the number of available								
				places, places will be allocated by lot among applicants from this group.								
12-Bl-192-m01	Analytical Information Systems											
	ECTS 4	5	Duratior	ו	1 semester	Method of grading nu	umerical grade	Modul level	graduate			
	Courses			V (2) + Ü (2)								
	Method	ofasse	essment	written examination (approx. 60 minutes)								
						: German and/or English						
	Darticina	nte an	d alla	creditable for bonus 40 places.								
	Participa cation of			40 pta WM1:	ices.							
		place	•		d the number of ap	plications exceed the nu	Imber of available places, p	laces will be allo	ocated as follows:			
				1) Mas	ster's students of In	formation Systems will	be given preferential consid					
						will be allocated to stuc		c 1				
						ated in accordance with ocated by lot among app		or applications	exceeds the number of available			

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12-M-IBS-192-m01	E-Busi	E-Business Strategies											
	ECTS	5	Duratio	n	1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Course	es		V (2)	+ Ü (2)								
	Metho	d of ass	essment	<ul> <li>a) Written examination (approx. 60 minutes) or</li> <li>b) oral examination (one candidate each: approx. 15 to 20 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) Language of assessment: German and/or English creditable for bonus 40 places. Should the number of applications exceed the number of available places, places will be allocated as follows: (1) Master's students of Information Systems will be given preferential consideration. (2) The remaining places will be allocated to students of other subjects. (3) When places are allocated in accordance with (1) and (2) and the number of applications exceeds the number of available places, places will be allocated by lot among applicants from this group.</li></ul>									
	cation	pants an of place	25										
12-M-MUS-222-	Mobile	and Ub	oiquitous	Busine	SS								
m01	ECTS	5	Duratio		1 semester	Method of grading numerical gr	rade	Modul level	graduate				
	Course	es		Ü (2)	+ V (2)								
	Method of assessment			a) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) Language of assessment: German and/or English creditable for bonus									
12-M-GL-		Logisti	cs & Supp	oly Cha	y Chain Management								
SC-182-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Courses			V (2) + Ü (2) Module taught in: English									
	Metho	d of ass	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 to 20 pages) Language of assessment: English creditable for bonus									
12-M-AOLM-182-	Advand	ced Ope	erations &	Logistics Management									
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Course	25		V (2) + Ü (2) Module taught in: English									
	Metho	d of ass	essment	b) ter Lang	Module taught in: English         a) written examination (approx. 60 minutes) or         b) term paper (approx. 15 to 20 pages)         Language of assessment: English         creditable for bonus								

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12-M-VS-221-m01	Vertica	l Storyt	elling									
	ECTS	10	Duratior	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		S (2)								
	Metho	d of ass	essment		olio (approx. 5 pages							
						y year, summer seme	ster					
12-M-OEDT-231-		zationa			s and Digital Transformation							
m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	2S			+ Ü (2) Ile taught in: English	1						
	Metho	d of ass	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: English creditable for bonus								
12-M-PEM-182-	Policy Evaluation Methods											
m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		V (2) + Ü (2) Module taught in: English								
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: English creditable for bonus								
	Additic	nal Info	rmation	Research track module in Master's programme IEP								
12-M-TE-231-m01	1 Topics in Empirical Economics											
	ECTS	5	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) + Ü (2) Module taught in: English								
	Metho	d of ass	essment	portfolio (approx. 50 hours) Language of assessment: English creditable for bonus								
		pants ar of place		<ul> <li>12 *WA1 (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects.</li> <li>(2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure.</li> <li>(3) A waiting list will be maintained and places re-allocated by lot as they become available.</li> </ul>								

10-l=SB-212-m01	System	ns Benc	hmarking								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	!S		V (2) ·	+ Ü (2)						
	Method of assessment			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 candi- date). Language of assessment: German and/or English creditable for bonus							
	Additio	onal Info	ormation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES,HCI,GE						
10-xtAl=CV-202-	Compu	iter Visi	on								
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (2) + Ü (2) Module taught in: English							
	Metho	Method of assessment			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 candi- date). Language of assessment: English creditable for bonus						
10-I=IP-222-m01	Image Processing and Computational Photography										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	!S		V (2) + Ü (2) Module taught in: English							
	Metho	d of acc	occmont	writto	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 candi- date). Language of assessment: English creditable for bonus						
	Wetho	u or ass	essment	lf ann of one date). Langu	ounced by the lect e candidate each (a lage of assessmen	urer at the beginning o approx. 20 minutes) or	f the course, the writte				

10-I=M-	Multili	Multilingual NLP												
NLP-232-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			V (2) + Ü (2) Module taught in: German and/or English									
	Methoo	l 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 candi- date). Language of assessment: German and/or English creditable for bonus										
	Referre			-	ll Nr. 3 b)									
10-I=SNA-232-m01		ical Net	work Ana	lysis										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			V (2) + Ü (2) Module taught in: English									
	Method	1 01 855	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 candi- date). Language of assessment: English creditable for bonus										
	Additio	nal Info	ormation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN									
10-I=OR-232-m01														
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V (2) + Ü (2) Module taught in: German and/or English										
	Method	l 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 candi- date). Language of assessment: German and/or English creditable for bonus										
				date) Lang	uage of assessment				6 (approx. 15 minutes per candi-					
	Additio	nal Info	ormation	date) Lang credi	uage of assessment table for bonus		sh							

10-l=MLN1-232-	Machine Learning for Networks 1												
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	s		V (2) +		· · · · · · · · · · · · · · · · · · ·							
				Modu	le taught in: English								
	Method	d of asse	essment			ox. 60 to 120 minute							
									replaced by an oral examination s (approx. 15 minutes per candi-				
				date).		prox. 20 minutes) of	an oral examination in gro	ups of 2 candidates	s (approx. 15 minutes per candi-				
				Language of assessment: English creditable for bonus									
	Additio	nal Info	rmation	Focus	es available for stuc	lents of the Master's	programme Informatik (Cor	nputer Science, 120	o ECTS credits): AT,IT,SE,KI,HCI,IN				
	Referre	d to in L	.PO I	§ 22	l Nr. 3 b)								
10-l=DM-232-m01	Data So	cience											
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) + Ü (2)									
	Method	d of asse	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 candi- date). Language of assessment: German and/or English creditable for bonus									
	Additio	onal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT, KI, HCI, GE, SEC, IN									
Thesis (30 ECTS cre	edits)												
12-WI-MA-192-m01	Master	<sup>.</sup> Thesis	Informati	on Sys	stems								
	ECTS 30 Duratio			า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		No co	urses assigned to m	odule							
	Methoo	d of asse	essment		er's thesis (approx. 6 age of assessment:	oo to 80 pages) German and/or Engl	ish						
	Additio	nal Info	rmation	Time t	o complete: 6 mont	hs							