

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

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

= 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.

Examination regulations version: 2026

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

ASP02015

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

??-???-2025 (2025-??)

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

Every module will be described using the following form:

Abbreviation	Module title										
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be sp	To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y							
	Method of as	sessm	ent								
	Only after su completion o		ıl if applic	fapplicable							
	Other prereq	uisites	if applic	if applicable							
	Participants on of places		ocati- if applic	if applicable							
	Additional in	format	ion if applic	if applicable							
	Referred to in	1 LPO I	if applic	if applicable (examination regulations for teaching-degree programmes)							

Compulsory Course	es (30 EC	TS cre	dits)								
12-M-IS-262-m01	Informa	ation S	ystems								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (4) Modu	V (4) Module taught in: German and/or English						
	Method	d of ass	essment	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: German and/or English creditable for bonus							
12-M-PSI-262-m01	Project	Semin	ar					,			
	ECTS	15	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (2) Modu	le taught in: Germ	an and/or English					
	Method	d of ass	essment	b) po Langu	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: German and/or English creditable for bonus						
12-M-SMIS-262-	Semina	r: Mas	ter Inform	ation S	Systems	1		1			
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level			
	Course	S		S (2) Modu	S (2) Module taught in: German and/or English						
	Method	d of ass	essment		portfolio (100 to 150 hours total) Language of assessment: German and/or English						
Compulsory Electiv	es I: Fun	damer	itals Com	outer S	cience (20 ECTS ci	redits)					
10-l=IR-242-m01	Informa	ation R	etrieval								
,	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course			V (2) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	Written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: 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): IT, KI, HCI, GE							
	Referre	d to in	LPO I	§ 22 l	Nr. 3 b)						

10-l=SSS-232-m01	Securit	y of Sof	tware Sys	stems			"					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul lev	el graduate				
	Course	S			+ Ü (2) ıle taught in: Eng	lish						
	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 candidate). Language of assessment: English creditable for bonus								
	Additio	nal Info	rmation	Focus SEC,I		students of the Master's programme Informa	atik (Computer Science,	, 120 ECTS credits): SE,KI,LR, HCI, ES,				
	Referre	d to in l	-P0 I	§ 22	II Nr. 3 b)							
10-I=SAR-161-m01		re Archi	tecture									
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul leve	el graduate				
	Course	S		V (2)	+ Ü (2)							
	Method of assessment			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			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	§ 22 II Nr. 3 b)							
		al Intell	igence 1									
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul lev	el graduate				
	Course				+ Ü (2)							
				written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focus	ses available for s	students of the Master's programme Informa	atik (Computer Science,	, 120 ECTS credits): AT,SE,KI,HCI				

10-l=ST-232-m01	Discret	e Event	Simulation	n			,				
	ECTS	5	Duration	ı	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	,	V (2) -	+ Ü (2)	·	•				
	Method	d of ass	essment	If ann of one date).	anguage 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): IT,KI,ES,GE,IN							
	Referre	ed to in I	LPO I	§ 22 l	I Nr. 3 b)						
10-I=APR-252-m01	Advanc	ed Pro	gramming								
	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) -	(2) + Ü (2)						
			essment	If ann of one date).	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			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, KI, LR, HCI, ES, GE, SEC, IN							
10-l=NLP-212-m01	Machir	ie Learr	ning for Na	tural I	Language Process	ing	,				
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			V (2) -	` '						
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: 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): AT,KI,HCI							
	Referre	d to in I	LPO I	§ 22 II Nr. 3 b)							

10-l=Kl2-212-m01	Artificia	al Intell	igence 2							
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	S		V (2) +	+ Ü (2)		•			
	Method	l of asse	essment	If ann of one date).	ounced by the lecture candidate each (a	rox. 60 to 120 minutes) urer at the beginning of the course, the written exar pprox. 20 minutes) or an oral examination in group : German and/or English	mination may be os of 2 candidate	replaced by an oral examination s (approx. 15 minutes per candi-		
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's programme Informatik (Comp	outer Science, 12	o ECTS credits): AT,SE,KI,HCI,GE		
10-I=PNN-252-m01		mming	with neur	al nets						
	ECTS 5 Durati				1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses			V (2) +						
	Method of assessment				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					
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, KI, HCI, GE, IN						
10-l=SB-252-m01		s Bencl	hmarking							
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses			V (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 candidate). 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, HCI, GE, IN						
	Referre	d to in L	PO I	§ 22 l	Nr. 3 b)					

10-AI=CV1-242-	Compu	ter Visi	on 1		1			-		
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S			+ Ü (2) ıle taught in: English	1				
	Method	d of ass	essment	If ann of one date) Langu	anguage of assessment: English reditable for bonus					
10-l=IP-222-m01	Image	Process	ing and C	ompu	tational Photograph	y				
	ECTS 5 Duration			า	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses				(2) + Ü (2) odule taught in: English					
	Method of assessment			If ann of one date) Langu	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus					
	Referre	d to in	LPO I	§ 22 II Nr. 3 b)						
10-l=M-	Multilin	ngual N	LP							
NLP-232-m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V (2) + Ü (2) Module taught in: German and/or English						
	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 candidate). Language of assessment: German and/or English creditable for bonus						
	Referre	d to in	LPO I	§ 22 l	I Nr. 3 b)					

H	Statisti	ical Netw	vork Analvs	sis						
	ECTS		Duration	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		(2) + Ü (2) lodule taught in: Englis	h	,				
				written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus						
		nal Infor		ocuses available for stu	idents of the Master's programme Informatik (Computer Science, 12	o ECTS credits): IN			
10-I=OR-232-m01		ions Res								
	ECTS	5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		/ (2) + Ü (2) Module taught in: German and/or English						
	Method of assessment			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			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN						
	Referre	d to in LF	PO I §	§ 22 II Nr. 3 b)						
10-l=MLN1-232-		ıe Learni	ng for Netv	vorks 1						
m01	ECTS	5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		(2) + Ü (2) Iodule taught in: Englis	h		_			
				written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus						
	Additio	nal Infor	mation Fo	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 LF	PO I §	22 II Nr. 3 b)						

10-I=DM-232-m01	Data S	Data Science											
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) -	V (2) + Ü (2)								
	Method	d of asse		If ann of one date).	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). 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): IT, KI, HCI, GE, SEC, IN									
	ompulsory Electives II: Tracks (40 ECTS credits) ut of the four tracks, students may select two.												
Track 1: Enterprise	Track 1: Enterprise Systems (20 ECTS credits)												
Core (10 ECTS credi	ore (10 ECTS credits)												

12-M-GP	U-262-
mo1	

Busine	Business Software 1: Management and Implementation of Information Systems												
ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
Course	· .		Mòdu	V (2) + Ü (2) Module taught in: German and/or English									
Method of assessment a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: German and/or English creditable for bonus													
	pants ar of place		1) Mas (2) Th (3) Wh	d the number of app ster's students of Inf e remaining places v nen places are alloca	ormation Systems, <i>N</i> vill be allocated to s ited in accordance w	e number of available places, plands and Economathem tudents of other subjects. With (1) and (2) and the number capplicants from this group.	atics will be giv						

12-M-ERP-262-m01	Busine	ss Soft	ware 2: Da	ata-driv	en Business Pro	cess Management	and Automation			-	
	ECTS	5	Duration		1 semester		ing numerical grade	 e	Modul level	graduate	
	Course		,	V (2) + Modul		nan and/or English	51				
	Method	d of ass	essment	b) port Langu	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: German and/or English creditable for bonus						
	Particip cation		nd allo- es	1) Mas (2) The (3) Wh							
Core Electives (10 I	CTS cre	dits)									
10-I=PM-252-m01	Profess	sional F	roject Ma	nagem	agement						
	ECTS	5	Duration	1	1 semester	Method of grad	ing numerical grade	e	Modul level	graduate	
	Course	S		V (4)							
	Method of assessment			If anno of one date). Langua	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-						
	other p	rerequi	sites	We recommend completing module 10-I=PRJAK in parallel.							
	Additio	nal Info	ormation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, KI, ES, LR, HCI, GE, IN						
	Referre	d to in	LPO I	§ 22	Nr. 3 b)						
10-I=PRJAK-252-	Project	- Curre	nt Topics	in Com	puter Science						
mo1	ECTS	5	Duration	1	1 semester	Method of grad	ing numerical grade	e	Modul level	graduate	
	Course	S	·	P (4)							
	Method of assessment			Langua Assess be rep	project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered (Each project is offered one time only. The project will not be repeated; there will not be another project with the same topic. Assessment can, therefore, only be offered for the project offered in the respective semester)						
	Additional Information				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, KI, ES, LR, HCI, GE, SEC, IN						

12-M-HRM-262-	Human Resource Management and Industrial Relations												
mo1	ECTS	5	Duration	1 semester	Method of gradin	g numerical grade	Modul level	graduate					
	Courses	5		V (2) + Ü (2) Module taught in: Er	nglish								
	Method	l of ass		a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English creditable for bonus									
10-I=SAR-161-m01													
	ECTS	5	Duration	1 semester	Method of gradin	g numerical grade	Modul level	graduate					
	Courses	5		V (2) + Ü (2)	•		•						
	Method	l of ass		written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus									
	Additio	nal Info		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES									
	Referred			§ 22 II Nr. 3 b)									
12-M-ESE-262-mo1													
	ECTS	5	Duration		Method of gradin	g numerical grade	Modul level	graduate					
	Courses	5		V (2) + Ü (2) Module taught in: Ge	erman and/or English								
	Method	l of ass		a) written examination (approx. 60 to 120 minutes) or b)portfolio (approx. 50 hours total) Language of assessment: German and/or English creditable for bonus									
	Particip cation o		es	50 places (max. 10 places will be allocated to students of the supplementary course ZENTRIA) WA: Should the number of applications exceed the number of available places, places will be allocated as follows: (1) Students who already have successfully completed courses offered by the supervising chair will be given preferential consideration. a. Among applicants with the same number of successfully completed modules, places will be allocated according to the total number of ECTS credits achieved in the corresponding modules. b. When places are allocated in accordance with b) and the number of applications exceeds the number of available places, places will be allocated according to the average grade of assessments taken in the corresponding courses. c. Among applicants with the same average grade, places will be allocated by lot. (2) Any remaining places are available to students who have not yet successfully completed any courses of the supervising chair. The selection is made according to study progress (number of semesters); among applicants with the same number of semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.									

12-M-TES-262-mo		5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduato				
			Duratio	-		Method of grading numerical grade	Modul level	graduate				
	Course	!S			+Ü(2)	nan and/or English						
	NA -+	J - E				_						
	Method	a or as	sessment	b) po Langi Asses	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus							
Track 2: Business	Analytics	s (20 E	CTS credit	s)								
Core (10 ECTS cred	dits)											
12-M-DSS-262-	Decisio	n Sup	port Syste	ms								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			+ Ü (2) ıle taught in: Engli	sh						
	Method	d of as	sessment	b) po Langi	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English creditable for bonus							
12-M-AOLM-262-	Advanc	ed Op	erations &	k Logistics Management								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			+ Ü (2) ıle taught in: Engli	sh						
	Method	d of as	sessment	b) po Langi	itten examination rtfolio (approx. 50 uage of assessme table for bonus							
12-M-BI-262-m01	Analyti	ical Inf	ormation S	System	ıs							
	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	d of as	sessment	b) po Langi	itten examination rtfolio (approx. 50 uage of assessme table for bonus							

Core Electives (10 E	CTS credits)					
12-M-BI-262-m01	Analytical In	formation S	Systems			
	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate
	Courses		V (2) + Ü (2) Module taught in: Engl	ish		
	Method of as	ssessment	a) written examination b) portfolio (approx. 50 Language of assessme creditable for bonus			
12-M-EAI-262-mo1	Enterprise Al				"	
	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate
	Courses		V (2) + Ü (2) Module taught in: Engl	ish	,	
	Method of as	ssessment	b) portfolio (approx. 50 Language of assessme			
10-l=OR-232-mo1	Operations R	Research				
	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate
	Courses		V (2) + Ü (2) Module taught in: Gerr	nan and/or English		
	Method of as	ssessment	If announced by the lead of one candidate each date).	pprox. 60 to 120 minutes) cturer at the beginning of the course, the wri (approx. 20 minutes) or an oral examination nt: German and/or English		
	Additional In	formation	Focuses available for s	tudents of the Master's programme Informat	tik (Computer Science, 12	o ECTS credits): IN
	Referred to in	ı LPO I	§ 22 II Nr. 3 b)		· ,	
12-M-GL-	Global Logis	tics & Supp	oly Chain Management			
SC-262-m01	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate
	Courses	<u> </u>	V (2) + Ü (2) Module taught in: Engl	ish		
	Method of as	ssessment	a) written examination b) portfolio (approx. 50 Language of assessme creditable for bonus			

12-M-ATDS-262-	Practic	al Data	Science				,						
mo1	ECTS	5	Duration	1	1 semester	Method of grad	ng numerical grade		Modul level	graduate			
	Course	S			+ Ü (2)	lich							
	Mothoc	l of acc			ıle taught in: Eng		ninutas) ar						
	Method	ı 01 ass	essillelli	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total)									
				Language of assessment: English Assessment offered: In the semester in which the course is offered									
				creditable for bonus									
	Particip			Number of places: 35.									
	cation	of place	!S	WA: Should the number of applications exceed the number of available places, places will be allocated as follows:									
				(1) Students who already have successfully completed courses offered by the supervising chair will be given preferential consideration.									
				a. Am	a. Among applicants with the same number of successfully completed modules, places will be allocated according to the total number of ECTS credits achieved in the corresponding modules.								
				b. When places are allocated in accordance with b) and the number of applications exceeds the number of available places,									
				places will be allocated according to the average grade of assessments taken in the corresponding courses.									
				c. Among applicants with the same average grade, places will be allocated by lot. (2) Any remaining places are available to students who have not yet successfully completed any courses of the supervising									
				chair. The selection is made according to study progress (number of semesters); among applicants with the same number of semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.									
12-M-TE-262-m01	Annlied	Tonics	in Data S	Science in Business and Economics									
12 W 12 202 MO1		5	Duration		1 semester		ng numerical grade		Modul level	graduate			
	Course		Buildioi		+ Ü (2)	memod or grad	ing mamerical grade		modul level	5.444416			
				Module taught in: English									
	Method	d of ass				(approx. 60 to 120 i	ninutes) or						
					rtfolio (approx. 50 uage of assessmo								
						n the semester in wh	ich the course is offere	ed					
	Particip	ants ar	nd allo	creditable for bonus									
	cation			24 places. WA1:									
		·		(1) Should the number of applications exceed the number of available places, places will be allocated by lot among all appli-									
				cants 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.									
							ices re-allocated by lot						

12-M-PEM-262-	Policy a	and Ma	nagemen	t Evalu	ation Methods			,				
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S			+ Ü (2) ıle taught in: Englisl	n		,				
	Method	l of ass	essment	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English creditable for bonus								
12-M-TDS-262-	Applied	Data A	Analysis a	nd Ma	chine Learning			'				
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			Mòdu	V (2) + Ü (2) Module taught in: English							
				a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English Assessment offered: In the semester in which the course is offered creditable for bonus								
12-M-OEDT-262-	Organiz	zationa	l Econom	mics and Digital Transformation								
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S			+ Ü (2) ıle taught in: English	n						
			essment	b) por Langu Asses credit	rtfolio (approx. 50 h uage of assessment ssment offered: In th able for bonus		·					
12-M-AOLM-262-	Advanc	ed Ope	rations &	Logist	ics Management							
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	s 		V (2) + Ü (2) Module taught in: English								
	Method	l of ass	essment	b) por Langu	tten examination (a rtfolio (approx. 50 h uage of assessment able for bonus		tes) or					

12-M-DSS-262-	Decisio	on Supp	ort Syste	ns					
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	!S			+ Ü (2) le taught in: Englis	sh			
	Method	d of ass	essment	b) poi Langu	tten examination (rtfolio (approx. 50 lage of assessmen able for bonus		utes) or		
12-M-OIP-262-mo1	Optimi	zation i	n Practice	!					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	
	Course	!S		V (2) - Modu	+ Ü (2) le taught in: Englis	sh	•		
	Method	d of ass		b) por Langu Asses	rtfolio (approx. 50 Jage of assessmen				
12-M-EE-262-m01	Experi	mental E	Economics	5					
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	!S			+ Ü (2) le taught in: Englis	sh			
	Method	d of ass		b) por Langu Asses	rtfolio (approx. 50 lage of assessmen		·		
		pants ar of place	es	cants	ould the number of irrespective of the	ir subjects. (2) Places	on all courses of the r	ole places, places will be nodule with a restricted ces re-allocated by lot as	allocated by lot among all appli- number of places will be allocated they become available.
12-M-TBA-262-m01	Topics	in Busiı	ness Anal	ytics					
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	!S		V (2) - Modu	+ Ü (2) le taught in: Germ	an and/or English			
	Method	d of ass	essment	b) por Langu Asses	tfolio (approx. 50 lage of assessmen	approx. 60 to 120 min hours total) it: German and/or Eng the semester in which	lish		

Track 3: Electronic	Business	s (20 EC	TS credit	s)							
Core (10 ECTS credi	its)										
12-M-IBS-262-m01	Digital :	Strateg	у								
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Mod	ul level	graduate	
	Courses	5			+ Ü (2) le taught in: Englis	h					
	Method	of asse	essment	b) po Langı	tten examination (a rtfolio (approx. 50 l uage of assessmen able for bonus		ites) or				
12-M-MUS-262-	Mobile	and Ub	iquitous	Business							
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Mod	ul level	graduate	
	Courses	5			+ Ü (2) le taught in: Englis	.h					
	Method	of asse	essment	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English creditable for bonus							
Core Electives (10 E	CTS cred	lits)									
12-M-UGF1-262-	Corpora	te Entr	epreneur	rship and Innovation							
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Mod	ul level	graduate	
	Courses	5			+ Ü (2) le taught in: Englis	.h					
	Method	of asse	essment	b) po Langı	tten examination (a rtfolio (approx. 50 l uage of assessmen able for bonus		ites) or				
12-M-UGF2-262-	Corpora	ite Stra	tegy					,			
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Mod	ul level	graduate	
	Courses	5		V (2) + Ü (2) Module taught in: English							
	Method	of asse	essment	b) po Langı	tten examination (a rtfolio (approx. 50 l uage of assessmen able for bonus		ites) or				

12-M-UGF3-262-	Digital	Entrepr	eneurshi	p and D	and Digital Transformation							
mo1	ECTS	5	Duration	า	1 semester	Method of gradin	g numerical grade		Modul level	graduate		
	Courses	5		V (2) - Modu	- Ü (2) le taught in: Engli	sh						
	Method	l of ass	essment	b) por Langu	tten examination tfolio (approx. 50 age of assessmer able for bonus		inutes) or					
12-M-MA-262-m01	Marketi	ing Ana	lytics									
	ECTS	5	Duration	1	1 semester	Method of gradin	g numerical grade		Modul level	graduate		
	Courses	5		V (2) - Modu	- Ü (2) le taught in: Engli	sh						
	Method	l of ass	essment	b) por Langu	tten examination tfolio (approx. 50 age of assessmer able for bonus		inutes) or					
12-M-ESE-262-m01	Entrepr	eneurs	hip in Sof	tware-	vare-Ecosystems: Start & Scale Up, Venture Capital, Private Equity, EXIT							
	ECTS	5	Duration	<u> </u>	1 semester	Method of gradin	g numerical grade		Modul level	graduate		
	Courses	5			V (2) + Ü (2) Module taught in: German and/or English							
	Method	l of ass	essment	a) written examination (approx. 60 to 120 minutes) or b)portfolio (approx. 50 hours total) Language of assessment: German and/or English creditable for bonus								
	Particip cation o			WA: Shoul (1) Stu sidera a. Am numb b. Wh places c. Am (2) An chair.	d the number of a udents who alread ition. ong applicants wi er of ECTS credits en places are allo s will be allocated ong applicants wi y remaining place The selection is n	th the same number achieved in the corrected in accordance according to the aventh the same average as are available to strade according to strade according to strade.	he number of availabe completed courses of of successfully comples esponding modules. with b) and the number arage grade of assess grade, places will be adents who have not	ple places, pla ffered by the pleted module ber of applica sments taken allocated by yet successfur of semester	aces will be all supervising ches, places will ations exceeds in the corresp lot. ully completed rs); among app	ocated as follows: nair will be given preferential con- be allocated according to the total the number of available places,		

12-M-PIPM-262-	Produc	t Innov	ation and	Price N									
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) -				Υ					
					le taught in: Engli								
	Method	d of ass	essment		a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total)								
					lage of assessmer								
					editable for bonus								
12-M-EC1-262-m01	E-Com	merce						'					
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course				le taught in: Engli								
	Method	d of ass	essment		written examination (approx. 60 to 120 minutes) or								
					portfolio (approx. 50 hours total) nguage of assessment: English								
					able for bonus	it. Liigiisii							
	Particip cation		nd allo- es	Number of places: 15. WA: Should the number of applications exceed the number of available places, places will be allocated as follows:									
				(1) Students who already have successfully completed courses offered by the supervising chair will be given preferential consideration.									
				numb	er of ECTS credits	achieved in the corres	ponding modules.	•	be allocated according to the total the number of available places,				
								ents taken in the correspo					
				c. Am	ong applicants wi	th the same average gr	ade, places will be a	llocated by lot.					
									any courses of the supervising licants with the same number of				
									ocated as they become available.				
12-M-SMGS-262-	Strates	gic Man	agement (of Glob	al Supply Chains	•	-	· ·					
mo1	ECTS	5	Duration	1	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	b) por Langu	tten examination tfolio (approx. 50 lage of assessmer able for bonus		utes) or						

12-M-INST-262-	Strateg	ic Man	agerial Ad	count	ing									
mo1	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S	_		+ Ü (2) ıle taught in: Gern	nan and/or English								
	Method	d of ass	essment	b) po Lang	rtfolio (approx. 50	(approx. 60 to 120 mii hours total) nt: German and/or Eng	•							
12-M-TEB-262-m01	Topics	in Elect	tronic Bus	iness	ess									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			(2) + Ü (2) odule taught in: German and/or English									
	Method	d of ass	essment	b) po Lang Asse	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus									
Track 4: Artificial Ir	telligen	ce (20	ECTS cred	its)										
Core (10 ECTS credi	ts)													
12-M-EAI-262-m01	Enterpr	ise Al												
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			+ Ü (2) ıle taught in: Engl	ish								
	Method	d of ass	essment	b) po Lang Asse	rtfolio (approx. 5c uage of assessme									
12-M-BI-262-m01	Analyti	cal Info	ormation S	ysten	ıs									
	ECTS	5	Duratio					Modul level	graduate					
	Course	S		V (2) + Ü (2) Module taught in: English										
	Method	d of ass	essment	b) po Lang	itten examination rtfolio (approx. 50 uage of assessme table for bonus		nutes) or							

12-M-ATDS-262-	Practic	al Data	Science											
mo1	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			+ Ü (2) ıle taught in: Englis	sh								
	Metho	of asse	essment	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English Assessment offered: In the semester in which the course is offered creditable for bonus										
Core Electives (10 E	cation	pants an of place		WA: Shou (1) Str sidera a. Am numb b. Wh place c. Am (2) Ar chair.	Number of places: 35. WA: Should the number of applications exceed the number of available places, places will be allocated as follows: (1) Students who already have successfully completed courses offered by the supervising chair will be given preferential consideration. a. Among applicants with the same number of successfully completed modules, places will be allocated according to the total number of ECTS credits achieved in the corresponding modules. b. When places are allocated in accordance with b) and the number of applications exceeds the number of available places, places will be allocated according to the average grade of assessments taken in the corresponding courses. c. Among applicants with the same average grade, places will be allocated by lot. (2) Any remaining places are available to students who have not yet successfully completed any courses of the supervising chair. The selection is made according to study progress (number of semesters); among applicants with the same number of semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.									
10-AI=CV1-242-	Compu	ıter Visio	on 1											
m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V (2) + Ü (2) Module taught in: English										
	Method	d of asse	essment	If ann of one date) Langu	ounced by the lect e candidate each (a	approx. 20 minutes) o	of the course, the writ		replaced by an oral examination s (approx. 15 minutes per candi-					
12-M-EAI-262-m01	Enterp	rise Al												
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			+ Ü (2) ıle taught in: Englis	sh								
	Method of assessment			a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English Assessment offered: In the semester in which the course is offered creditable for bonus										
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12-M-BI-262-m01	Analyti	cal Info	ormation S	System	S		,					
	ECTS	5	Duration	n	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	b) por Langu	tten examination (tfolio (approx. 50 lage of assessmen able for bonus		utes) or					
12-M-ATDS-262-	Practic	al Data	Science									
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) le taught in: Englis	sh						
	Method	d of ass	essment	b) por Langu Asses	rtfolio (approx. 50 Jage of assessmen							
	Particip cation	of place	es	WA: Shoul (1) Stu sidera a. Am numb b. Wh places c. Am (2) An chair.	udents who alread ation. ong applicants wither of ECTS credits en places are allows will be allocated ong applicants with remaining place. The selection is month, and the	y have successfully control that he same number of achieved in the correst cated in accordance we according to the average gist are available to studing t	f successfully completed mo ponding modules. ith b) and the number of appage grade of assessments ta rade, places will be allocated ents who have not yet succe by progress (number of seme	the supervising characters, places will be plications exceeds ken in the correspond by lot. essfully completed esters); among applications.	air will be given preferential con- be allocated according to the total the number of available places,			
12-M-MA-262-m01		ing Ana	alytics		~							
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) le taught in: Englis	sh						
	Method	d of ass	essment	b) por Langu	tten examination (rtfolio (approx. 50 lage of assessmen able for bonus		utes) or					

12-M-TE-262-m01	Applied	l Topics	in Data S	cience	in Business and Ec	onomics						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		V (2) - Modu	+ Ü (2) le taught in: English							
	Method	l of asso		b) por Langu Asses	tfolio (approx. 50 ho lage of assessment:	English	utes) or the course is offered					
	Particip cation o		es	WA1: (1) Sh cants (2) Pla	Should the number of applications exceed the number of available places, places will be allocated by lot among all ap ints irrespective of their subjects. Places on all courses of the module with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated by lot as they become available.							
12-M-PEM-262-	Policy a	and Mar	nagement	Evalu	ation Methods							
mo1	ECTS	ECTS 5 Duratio			1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		` '	V (2) + Ü (2) Module taught in: English							
	Method	l of asso		b) poi Langu	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: English creditable for bonus							
10-I=SNA-232-m01	Statisti	cal Net	work Anal	ysis				·				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S			+ Ü (2) le taught in: English							
	Method	l of asso		If ann of one date).	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stud	dents of the Master's	programme Informatik (Co	mputer Science, 120	o ECTS credits): IN			

10-l=NLP-212-m01	Machine Learning for Natural Language Processing									
			Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			V (2) + Ü (2)						
	Method	d of ass	essment							
	Additio	onal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,KI,HCI						
	Referre	ed to in I	LPO I	§ 22 II Nr. 3 b)						
10-l=M-	Multilingual NLP									
NLP-232-m01	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	<u>!</u> S		V (2) + Ü (2) Module taught in: German and/or English						
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Referre	d to in	LPO I	§ 22 II Nr. 3 b)						
12-M-TAI-262-m01	Topics in Artificial Intelligence									
	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			V (2) + Ü (2) Module taught in: German and/or English						
	Method	d of ass	essment	a) written examination (approx. 60 to 120 minutes) or b) portfolio (approx. 50 hours total) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus						
Thesis (30 ECTS cre	edits)									
12-WI-MA-262-	Master Thesis Information Systems									
mo1	ECTS	30	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			No courses assigned to module						
	Method	d of ass	essment	Master's thesis (60 to 80 pages) Language of assessment: German and/or English						
	other p	rerequi	sites	Highly recommended: Successful completion of Module 12-M-SMIM (compulsory seminar). If necessary, topic-specific modules as specified by the supervisor.						
	Additional Information			Time to complete: 6 months						
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