

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 Business Management and Economics

Examination regulations version: 2019

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

= lecture

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

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

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

= list of modules

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

Conventions for the modules in this SFB:

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

Information on assessment procedures:

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

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

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

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)):

27-Mar-2019 (2019-25)

11-Nov-2020 (2020-103)

09-Jun-2021 (2021-61)

27-Apr-2022 (2022-27)

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	Module title												
	ECTS		Duration	(in semesters)	Method of grading		Module level							
	Courses		To be spe	ecified in the form >	((y) with course type)	abbreviated as specified abo	ve and number of we	ekly contact hours y						
	Method of as	ssessme	ent											
	Only after su completion of		if applica	if applicable										
	Other prereq	uisites	if applica	if applicable										
	Participants on of places		cati- if applica	if applicable										
	Additional in	nformatio	on if applica	if applicable										
	Referred to i	n LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)										

Compulsory Course	es (25 EC	TS cred	dits)										
12-IV-161-m01	Informa	ation P	ocessing	within	Organizations								
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	•	V (2)	+ Ü (2)	•		·					
	Method	d of ass	essment	Langu	written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus								
12-M-ITM-161-m01	IT-Man	ageme	nt										
	ECTS 5 Duration			n 1 semester		Method of grading	numerical grade	Modul level	graduate				
	Courses			V (2)	/ (2) + Ü (2)								
	Method	d of ass	essment	2: apı Langı) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes; groups of : approx. 20 minutes; groups of 3: approx. 30 minutes) anguage of assessment: German and/or English reditable for bonus								
12-PS-192-m01	Project	Semin	ar					,					
	ECTS 15 Duration		1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			S (2)									
	Method of assessment			project: preparing a conceptual design (approx. 150 hours), designing and implementing an approach to solution (ap 300 hours) as well as presentation (approx. 20 minutes), weighted 1:2:1 Language of assessment: German, English Creditable for bonus									
Compulsory Electiv	es I: Fur	ndamen	tals Comp	outer S	cience (10 ECTS cr	edits)							
10-l=IR-161-m01	Informa	ation R	etrieval										
	ECTS	5	Duratio	า	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) 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 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,IS,HCI,GE									

10-I=PA-161-m01	Analys	is and C	esign of I	Progra	ms								
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (2) ·	+ Ü (2)								
	Method of assessment			If ann of one date).	ritten examination (approx. 60 to 120 minutes). announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candiate). anguage of assessment: German and/or English reditable for bonus								
	Additio	nal Info			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IS,ES,GE								
10-l=SSS-172-m01	Securit	Security of Software Systems											
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S			(2) + Ü (2) odule taught in: English								
	Method	1 of ass	essment	If ann of one date). Langu	written examination (approx. 60 to 120 minutes). f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examin of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per c date). Language of assessment: English creditable for bonus								
	Additio	nal Info		ES.	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IS, LR, HCI, ES. Basic programming knowledge in C is required.								
10-I=SAR-161-m01	Softwa	re Archi	itecture										
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (2) ·	+ Ü (2)			_					
	Method of assessment			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	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES									

10-l=Kl1-161-m01	Artificial Intelligence 1												
	ECTS	5	Duration	1	1 semester	Method of grading nume	erical grade	Modul level	graduate				
	Course	:S		V (2) -	+ Ü (2)	<u> </u>							
	Metho	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 date). Langu	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): AT,SE,IS,HCI								
10-l=ST-161-m01	Discre	te Event	Simulation	on		,		'					
	ECTS	8	Duration	1	1 semester	Method of grading nume	erical grade	Modul level	graduate				
	Course	:S		V (4) ·	(4) + Ü (2)								
				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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focus IT,IS,E		tudents of the Master's progr	amme Informatik (Co	mputer Science, 12	o ECTS credits):				
10-I=APR-182-m01	Advan	ced Prog	gramming	\$									
	ECTS	5	Duration	1 semester Method of grading numerical grade Modul level graduate									
	Course	!S			+ Ü (2) lle taught in: Engli	sh							
	Metho	d of ass	essment	Langu	n examination (90 uage of assessmentable for bonus								
10-I=PNN-212-m01	Progra	mming	with neur	al nets									
	ECTS	5	Duration	ı	1 semester	Method of grading nume	erical grade	Modul level	graduate				
	Course	!S		V (2) ·	+ Ü (2)								
	Metho	d of ass	essment	If ann of one date).	written examination (approx. 60 to 120 minutes). f 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-								
	Additio	onal Info	rmation	Focus	es available for st	tudents of the Master's progr	amme Informatik (Co	mputer Science, 12	o ECTS credits): IT,KI,HCI,GE				

10-I=STM-162-m01	NLP an	NLP and Text Mining												
	ECTS	5	Duration	1	1 semester	Method of gradin	g numerical grade	Modul level	graduate					
	Course	S		V (2) ·	+ Ü (2)			•						
	Method	d of ass	essment			oprox. 60 to 120 minu								
				of one date).	e candidate each	turer at the beginning (approx. 20 minutes) nt: German and/or Er	or an oral examination	tten examination may b in groups of 2 candida	e replaced by an oral examination tes (approx. 15 minutes per candi-					
	Additio	nal Info	rmation	Focus	es available for s	tudents of the Master	's programme Informat	ik (Computer Science, 1	20 ECTS credits): AT, IT, HCI.					
10-l=SB-212-m01	Systen	ns Benc	hmarking											
	ECTS	5	Duration	า	1 semester	Method of gradin	g numerical grade	Modul level						
	Course	S		V (2) ·	+ Ü (2)									
				If ann of one date) credit Langu	ritten examination (approx. 60 to 120 minutes). I announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination fone candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cand ate). I reditable for bonus anguage of assessment: German and/or English									
				Focus SE,IT,	es available for s ES,HCI,GE	tudents of the Master	's programme Informat	ik (Computer Science, 1	20 ECTS credits):					
10-xtAl=CV-202-	Computer Vision													
mo1	ECTS	5	Duration		1 semester	Method of gradin	g numerical grade	Modul level	graduate					
	Course			Mòdu	+ Ü (2) le taught in: Engli									
	Method	d of ass	essment	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 examin of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per c date). Language of assessment: English Creditable for bonus									
10-l=IP-222-m01		Process	sing and C	omput	ational Photogra	phy								
	ECTS	5	Duration		1 semester	Method of gradin	g numerical grade	Modul level						
	Course	S			+ Ü (2) lle taught in: Engli	ish								
	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: English Creditable for bonus										

Courses Method 10-I=SNA-232-m01 Statisti	of asse	essment wild of display.	(2) + Modul written f anno of one date). Langua Credita	e taught in: German n examination (appo ounced by the lectu	rox. 60 to 120 minutes) rer at the beginning of the course, the written exam oprox. 20 minutes) or an oral examination in groups					
Method 10-I=SNA-232-mo1 Statisti	of asse	ssment will be a second of the control of the contr	written f anno of one date). Langua Credita	e taught in: German n examination (appounced by the lectu candidate each (apage of assessment:	rox. 60 to 120 minutes) rer at the beginning of the course, the written exam oprox. 20 minutes) or an oral examination in groups					
10-I=SNA-232-m01 Statisti	cal Netv	ssment W If o d L C vork Analy	written f anno of one date). Langua Credita	n examination (appropunced by the lectu candidate each (appropunced)	rox. 60 to 120 minutes) rer at the beginning of the course, the written exam oprox. 20 minutes) or an oral examination in groups					
10-I=SNA-232-m01 Statisti	cal Netv	o d L C vork Analy	f anno of one date). Langua Credita	ounced by the lectu candidate each (ap age of assessment:	rer at the beginning of the course, the written exam oprox. 20 minutes) or an oral examination in groups					
· -	5	o d L C vork Analy	of one date). Langua Credita	candidate each (apage of assessment:	oprox. 20 minutes) or an oral examination in groups					
· -	5	d L C vork Analy	date). Langua Credita	age of assessment:		- Canadates	s (approx. 15 illinates per canal			
· -	5	vork Analy	Credita		English					
· -	5	vork Analy		able for bonus						
· -	5		sis							
		Duration		1 semester	Method of grading numerical grade	Modul level				
ECTS	-			graduate						
Courses	5		/ (2) + Ü (2) Nodule taught in: English							
AA adla a	l - C		-							
Method	i or asse				rox. 60 to 120 minutes). rer at the beginning of the course, the written exam	ination may be i	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-							
		d	date).							
				Language of assessment: German and/or English creditable for bonus						
Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits):						
10-l=OR-232-mo1 Operati	ions Res	earch				,				
ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
Courses	S		/ (2) +							
				e taught in: Germai						
Method	l of asse				rox. 60 to 120 minutes)	ination may be	ranlaced by an aval avamination			
					rer at the beginning of the course, the written exam					
			of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cadate). Language of assessment: German and/or English creditable for bonus							
Additio	nal Infor				dents of the Master's programme Informatik (Comp	uter Science, 120	o ECTS credits): IN			

10-l=MLN1-232-	Machine	Machine Learning for Networks 1											
mo1	ECTS 4	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level					
	Courses				+ Ü (2) le taught in: Engli	sh							
	Method	of asse		If ann of one date).	anguage of assessment: English reditable for bonus								
	Addition	al Infor	ormation Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,SE,KI,H										
10-I=DM-232-m01	Data Sci	ence		n 1 semester Method of grading numerical grade									
	ECTS	5	Duration		1 semester	graduate							
	Courses				' (2) + Ü (2)								
	Method	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 candidate). Language of assessment: German and/or English creditable for bonus									
	Addition	al Infor	mation	Focus	es available for s	tudents of the Master	s programme Informatik	(Computer Science, 12	o ECTS credits): IT,KI,HCI,GE,SEC				
Compulsory Elective Out of the five track													
Track 1: Enterprise	Systems ((20 ECT	S credits	5)									
12-GPU-192-m01	Busines	s Softw	are 1: IS-	based	Enterprise Mana	gement							
	ECTS 4	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V (2) -									
	Method	of asse		b) ora minut c) Terr Credit Langu	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: a minutes) or c) Term paper (15 to 20 pages) or Creditable for bonus Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
	Participants and allo- cation of places			20 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.									

12-M-ERP-192-m01	Busine	ss Softv	ware 2: En	terprise	e Resource Plan	ning Systems		-					
	ECTS	5	Duration	1	1 semester	Method of gradir	numerical grade		Modul level	graduate			
	Course	S		V (2) +	Ü (2)	•		•					
	Method	l of ass		b) oral minute c) Term Credita Langua	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) or Creditable for bonus Language of assessment: German and/or English Assessment offered: Once a year, summer semester								
	Particip cation (Should (1) Mas (2) The (3) Whe	20 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.								
12-M-ES-161-m01		ed Sem		terprise Systems									
	ECTS				8 8 8					graduate			
	Course			S (2)									
	Method	d of ass	essment			to 25 pages) and pront: German and/or E	esentation (approx. 20 nglish	o minutes), w	eighted 2:1				
	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 A	nalytics	(20 EC	TS credits										
12-M-DSS-192-	Decisio	n Supp	ort Syste	ns									
mo1	ECTS	5	Duration	1	1 semester	Method of gradir	numerical grade	Ì	Modul level	graduate			
	Course	S		V (2) +	Ü (2)								
				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) Creditable for bonus Language of assessment: German and/or English									
	Participants and allocation of places			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.									

12-BI-192-m01	Analyti	cal Info	rmation S	ysten	15							
Î	ECTS	5	Duration	n n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	5		V (2)	+ Ü (2)			•	-			
	Method	of asse	essment			pprox. 60 Minutes)						
					table for bonus	nt: German and/or Eng	tlich					
	Particip	ants ar	nd allo-		aces.	nt. German and/or Eng	5(1311					
	cation			WM1	·							
				(3) W								
				place	es, places will be a	llocated by lot among	applicants from this gro	up.				
12-M-BUA-161-m01							_					
	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			S (2)	_			,				
	Method	l of asso	essment				entation (approx. 20 mir	nutes), weighted 2:1				
						nce a year, winter sem nt: German and/or Eng						
	Particip	ants ar	nd allo-				<u> </u>	of available places, pla	ces will be allocated by lot among			
	cation			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 3: Electronic	Busines	s (20 EC	CTS credit	s)								
12-M-IBS-192-m01	E-Busin	iess Str	ategies									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	5		V (2)	+ Ü (2)							
	Method	l of asse	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 minutes) or Creditable for bonus Language of assessment: German and/or English								
	Particip cation o	oants an of place		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.								

12-M-MUS-161-	Mobile	and Ul	oiquitous	Syster	ns							
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S		Ü (2)	+ V (2)		,					
	Metho	d of ass	sessment	2: ap Langi	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) anguage of assessment: German and/or English creditable for bonus							
12-M-SE-	Seminar: E-Business Strategies											
BS-161-mo1	ECTS	10	Duratio	n 1 semester Method of grading numerical grade		Modul level	graduate					
	Course	!S		S (2)								
	Metho	d of ass	sessment	Asses	m paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 sessment offered: Once a year, winter semester nguage of assessment: German and/or English							
		pants a of place	nd allo- es	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.							
Track 4: Global Op	erations	and In	formation	Mana	gement (20 ECTS	credits)						
12-M-UGF1-182-	Corporate Entrepreneurship											
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S			V (2) + Ü (2) Module taught in: English							
	Metho	d of ass	sessment	each tes)	tten examination (approx. 10 to 15 l	al examination of one candicate es, groups of 3 approx. 30 minu-						
12-M-UGF3-182-	Digital	Entrep	reneurshi	p								
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							
	Metho	d of ass	sessment	a) written examination (approx. 60 to 120 minutes) or b) log (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	Advanced Seminar: Entrepreneurship and Management												
12 101-37(3-102-11101	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course		Bulation	S (2)	1 Jemester	metriou or grading	Trainerieut grade	modul level	15.uuuute				
	Method	d of ass	essment	term Asses	sment offered: Onc	ages) and presentation e a year, winter seme : German and/or Engl		2:1					
	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.								
Track 5: Operations	s Manag	Management (20 ECTS credits)											
12-M-GL-	Global	bal Logistics & Supply Chain Management											
SC-182-m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		` ′	+ Ü (2) le taught in: Englisl	1							
	Method of assessment			Langu	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-	Advanc	ed Ope	erations &	Logist	ogistics Management								
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			+ Ü (2) le taught in: Englisl	1							
	Method	d of ass	essment	Langu	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 to 20 pages) Language of assessment: English creditable for bonus								
12-M-SN-161-m01	Semina	ar: Ope	rations Ma	nager	nent								
	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	:S		S (2)									
	Method of assessment			term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Assessment offered: Once a year, winter semester Language of assessment: German and/or English									

Compulsory Electiv													
12-ACSE-161-m01					tem Engineering	_	_						
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)				_				
	Method of assessment			appro Lang	a) written examination (approx. 60 minutes) or b) term paper (approx. 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: German and/or English creditable for bonus								
	Particip cation	of place	!S	all ap	o places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among ll applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be llocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								
12-AGP2-192-m01	Busine	ss Serv	ice Platfo	rms 2	2								
	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V (2)									
	Method of assessment			Credi	table for bonus	orox. 60 minutes) : German and/or Eng	lish						
	Participants and allocation of places			(1) M (2) Th (3) W	ld the number of ap aster's students of I ne remaining places	exceeds the number of available							
12-BSA-192-m01	Busine	ss Serv	ice Platfo	rms 1									
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)									
	Method of assessment			Credi	Written examination (approx. 60 minutes) Creditable for bonus Language of assessment: German and/or English								
	Participants and allocation of places			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.									

12-GLP-161-m01	Busines	ss Proc	esses Org	ganisa	tion, Business Soft	ware and Process Ind	ustries	,				
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		V (2)	+ Ü (2)	•		•				
	Method	of ass	essment	written examination (approx. 60 minutes)								
					uage of assessment able for bonus	: German and/or Engl	ish					
]	Particip	ants ar	nd allo-		o places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among							
	cation			all ap	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	nd Info	rmation					·				
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5	-	V (2)	•	•		•				
	Method of assessment			2: ap	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							
12-M-AGAF-161-	Work O	rder Pla	anning fo	r Autoi	Automated Manufacturing							
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2)	+ Ü (2)			•				
	Method	of ass	essment		n examination (appuage of assessment	orox. 60 minutes) :: German and/or Engl	ish					
12-M-ATW1-161-	Topics in Business Information Systems 1											
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5	•	V (2) + Ü (2) Course type: alternatively S instead of V + Ü								
	Method of assessment			a) written examination (approx. 60 minutes) or b) presentation (15 to 20 minutes) and written elaboration (approx. 20 paweighted 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 i	in Busi	ness Infor	rmatio	n Systems 2							
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5			+ Ü (2)	. Cinatand of V . II						
	NA - 41				Course type: alternatively S instead of V + Ü							
	Method of assessment			weigh 3: ap Langu) written examination (approx. 60 minutes) or b) presentation (15 to 20 minutes) and written elaboration (approx. 20 pages), reighted 1:2 or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of : approx. 30 minutes) anguage of assessment: German and/or English reditable for bonus							

12-M-ISR-192-m01	Informa	ation sy	stems res	earch								
	ECTS	5	Duration	<u> </u>	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)	•	·					
	Method	d of ass	essment	b) ora minut Credi	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) Creditable for bonus Language of assessment: German and/or English 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.							
	Particip cation			Shoul (1) Ma (2) Th (3) W								
10-l=DB2-161-m01	Databa	ses 2										
	ECTS 5		Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) ·	+ Ü (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 codate). 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, IS, HCI.								
10-l=CB-161-m01	Compil	er Cons	truction									
	ECTS	5	Duration	า	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 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,IS,GE								

10-l=IR-161-m01	Informa	ation R	etrieval		,		,					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)		•					
	Method	d of ass	sessment	If 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 candidate). Language of assessment: German and/or English creditable for bonus							
					ses available for stud HCI,GE	dents of the Master's programme Informatik (Co	mputer Science, 12	o ECTS credits):				
10-l=Kl1-161-m01	Artificia	al Intel	ligence 1									
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	'(2) + Ü(2)							
	method of discissing it			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	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,HCI							
10-l=Kl2-161-m01	Artificia	al Intel	ligence 2				'					
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		$V(2) + \ddot{U}(2)$								
	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 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): AT,SE,IS,HCI,GE								

10-l=EL-161-m01	E-Learn	ning									
	ECTS	5	Duration	1	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) 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 candidate). Language of assessment: German and/or English creditable for bonus						
	Additional Information				es available for stu IS,HCI,GE	dents of the Master's programme Informatik (Co	mputer Science, 12	o ECTS credits):			
10-I=PA-161-m01	Analysi	is and C	esign of	Progra	ms						
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)						
	method of discissioner			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): SE,IS,ES,GE							
10-I=PM-182-m01	Professional Project Management										
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (4)							
	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							
	other p	rerequi	_			n of module 10-I=PRJAK is recommended.					
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, IS, ES, LR, HCI, GE.							

10-l=AGIS-161-m01	Algorit	hms fo	Geograp	hic Info	ormation Systems							
	ECTS	5	Duratio	1	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). 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 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): AT,IS,HCI							
10-HCI=RIS-182-	Real-Ti	I-Time Interactive Systems										
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				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): HCI. Cf. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).								
10-l=LP-172-m01	Logic P	rogram	ming		-							
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			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			Focus	es available for stu	dents of the Master's programme Informatik (Comp	outer Science, 12	o ECTS credits): AT, SE, IT, IS.				

10-l=NLP-182-m01	Machin	ne Learr	ning for Na	atural I	Language Processin	g						
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) ·	+ Ü (2)							
				If ann of one date). Langu credit	Language of assessment: German and/or English creditable for bonus							
				Focus	es available for stud	dents of the Master's programme Informatik (Cor	mputer Science, 12	o ECTS credits): AT, IS, HCI.				
10-l=Ml-161-m01	Medica											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) ·	+ Ü (2)							
				written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus								
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,IS,HCI,GE								
10-l=PEB-161-m01			, <u> </u>		enchmarking of Com							
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	_	,	` , ,	+ Ü (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	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES,HCI,GE								

10-I=PNN-182-m01	Progra	Programming with neural nets											
	ECTS	5	Duration		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).	rritten examination (approx. 60 to 120 minutes). I announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of the candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes poste). I anguage of assessment: German and/or English reditable for bonus								
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's	programme Informatik (Comp	uter Science, 12	o ECTS credits): SE, IT, IS, HCI, GE.				
10-l=RO1-182-mo1	Robotic	CS 1											
	ECTS 8 Duration			1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				V (4) + Ü (2) Module taught in: English								
	Method	d of ass	essment	written examination (approx. 60 to 90 minutes) Separate written examination for Master's students. 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): IS, ES, LR, HCI, GE.									
10-l=SSS-172-m01	Security of Software Systems												
	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 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: English creditable for bonus									
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IS, LR, HCI, ES. Basic programming knowledge in C is required.									

10-l=ST-161-m01	Discret	e Event	Simulatio	on							
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		V (4)	+ Ü (2)						
	Method of assess				itten examination (approx. 60 to 120 minutes). Announced 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 candite). Inguage of assessment: German and/or English editable for bonus						
	Additio	nal Info		Focus IT,IS,I		dents of the Master's	programme Informatik	(Computer Science, 120	o ECTS credits):		
10-I=SAR-161-m01	Softwa	re Archi	tecture			,					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		V (2)	+ Ü (2)						
	Method	l of asse	essment	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 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							
10-I=STM-162-m01	NLP and	d Text N	Mining								
	ECTS	5	Duration	-	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		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 candidate). Language of assessment: German and/or English							
	Additional Information			Focus	ses available for stud	dents of the Master's	programme Informatik	(Computer Science, 120	e ECTS credits): AT, IT, HCI.		

10-I=PRJAK-162-	Project - Currer	nt Topics	in Con	puter Science	1		,				
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		P (4)				•				
	Method of asse	essment	Each Asses Asses	project report (10 to 15 pages) and presentation of project (15 to 30 minutes) 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. Assessment offered: In the semester in which the course is offered Language of assessment: German and/or English							
	Additional Info		LR, HO		lents of the Master's	programme Informati	k (Computer Science, 12	o ECTS credits): AT, SE, IT, IS, ES,			
12-M-IMM-161-m01	International M	larketing	5								
	ECTS 5 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V (2) -	+ Ü (2)							
	Method of asse	essment		written examination (approx. 60 minutes) Language of assessment: German and/or English							
12-M-MM-161-m01	Brand Management & Market Research										
	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		$V(2) + \ddot{U}(2)$								
	Method of asse	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English								
12-M-MS-161-m01	Strategic Netw	orks in Ir	dustry								
	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V (2) -	+ Ü (2)							
	Method of asse	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English								
12-M-SM-161-m01	Strategic Mark	eting									
	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		<u>``</u>	+ Ü (2)							
	Method of asse	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English								

12-M-BE-192-m01	Industr	ial Man	agement	4			,					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)	·						
	Method	d of ass	essment	b) Pre c) Ter d) ent e) Por Credit	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) Creditable for bonus Language of assessment: German and/or English							
	Particip cation o			20 places. (1) A total of 15 places will be allocated to students of the Master's degree programmes Management as well as International Economic Policy. 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. (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. (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.								
				Module can be taught in form of E Learning course, seminar, workshop etc.								
12-M-LA-182-m01	Industrial Management 2											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) - Cours	` '	be offered as eLearning, seminary, workshop,	etc.					
	Method of assessment			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 (approx. 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								
	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.								

12-M-SBM-182-	Indust	rial Mar	nagement	1								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es			V (2) + Ü (2) Course type: might also be offered as eLearning, seminary, workshop, etc.							
	Metho	d of ass	essment	weigl minu Lang	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 (approx. 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							
		pants ar of place	es	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-SPM-182-	Indust	rial Mar	nagement	3								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es			+ Ü (2) se type: might also	be offered as eLearni	ng, seminary, worksho	op, etc.				
	Metho	d of ass	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 (approx. 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								
		pants and of place	es	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-RM1-161-m01	Legal Foundations of Risk Management and Compliance											
	ECTS	2	Duration		1 semester	-	numerical grade	Modul level	graduate			
	Course	es	,	V (2)	•	•	•	•	<u> </u>			
	Metho	d of ass	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus								
		pants ar of place		all ap	30 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-UA-161-m01	Financ	ial Stat	ement Ana	llysis	and Business Valua	ation						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		V (2)	+ Ü (2)							
	Method of assessment			written examination (approx. 60 to 120 minutes) Language of assessment: German and/or English creditable for bonus								

12-M-WEW-182-	Philoso	ophy of	Science a	nd Eth	ics in Business Ma	anagement and Econ	omics					
mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S	·	S (2)	•	•	<u> </u>					
	Method	d of ass		Asses	term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Assessment offered: In the semester in which the course is offered Language of assessment: German and/or English creditable for bonus							
		pants a of place	nd allo- es	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-RM-KS-161-mo1	Risk M	anagen	nent - Con	cepts	and Systems			'				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		V (2)		•	•	•				
	Method of assessment			2: app Langu	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) anguage of assessment: German and/or English areditable for bonus							
		pants a of place	nd allo- es	all ap	25 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-CF1-182-m01	Discounted Cashflow											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		V (2) + Ü (2)								
	Method	d of ass	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-CF2-182-m01	Portfol	io and	Capital Ma	rket T	heory			,				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		V (2) -	+ Ü (2)							
	Method	d of ass	essment	Langu		approx. 60 to 90 min t: German and/or En	utes) or b) term paper (a glish	pprox. 15 pages)				
12-M-CF3-182-m01	Risk M	anagen	nent and C	orpora	ate Finance			,				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		V (2) -	+ Ü (2)							
	Method	d of ass	essment	Langu		approx. 60 to 90 min t: German and/or En	utes) or b) term paper (a glish	pprox. 15 pages)				

12-M-CF5-182-m01	Risk measurement and risk valuation: Concepts and applications for banks										
	ECTS 5	Duratio		Method of grading numerical grade	Modul level	graduate					
	Courses	Baration	V (2) + Ü (2)	method of grading numerical grade	moduliteret	Sidduce					
		faccecment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages)								
	Wicthou of	dosessinent	Language of assessment: German and/or English								
			creditable for bonus	creditable for bonus							
12-M-SP-161-m01	Economics	s of Tax Plann	ing								
	ECTS 5	Duratio	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	·	V (2) + Ü (2)		·						
	Method of	fassessment		(approx. 60 minutes) or b) term paper (approx.	15 pages) or c) oral ex	amination of one candidate each					
				(approx. 20 minutes)							
			creditable for bonus	anguage of assessment: German and/or English							
12-M-STB-161-m01	Tax Accou	ınting	creditable for bolius								
12 M 31B 101 M01	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	Baration	V (2) + Ü (2)	method of glading hameheat glade	Modulitevel	Sidduce					
		fassessment		(approx. 60 minutes) or b) term paper (approx.	15 nages) or c) oral ex	amination of one candidate each					
	method of	. assessinent	(approx. 20 minutes)								
			Language of assessment: German and/or English								
			creditable for bonus								
12-M-AO-182-mo1		in Organizati									
	ECTS 5	Duratio		Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + Ü (2)	iah							
	Mathada a	f assessment	Module taught in: Engl			_					
	Method of	assessment		(approx. 60 minutes) or b) term paper (approx. ent: German and/or English	15 pages)						
12-M-HRM-192-	Human Re	source Manas	gement and Industrial R								
mo1	ECTS 5	Duratio		Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + Ü (2)		,						
	Method of	fassessment		(approx. 60 minutes) or		-					
			b) Term paper (approx	15 pages)							
				nt: German and/or English							
		ts and allo-	There are no restrictions with regard to available places for students of the Master's degree programmes Management, Inter-								
	cation of p	olaces	national Economic Policy, Information Systems, Wirtschaftsmathematik (Mathematics for Economics) and Chinese and Economics 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.								
L			The state of the s	Taranta di antico di aranta di		,					

12-M-SAS-182-mo1	Advanc	ed Sen	ninar: Entr	epren	eurship and Manag	ement					
	ECTS	10	Duration	<u> </u>	1 semester	Method of grading numeric	cal grade	Modul level	graduate		
	Course	·S		S (2)							
	Method of assessment			Asses	erm paper (approx. 20 pages) and presentation (15 to 30 minutes), weighted 2:1 ssessment offered: Once a year, winter semester anguage of assessment: German and/or English						
	Particip cation			20 pl	places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be ocated 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-	Corpor	ate Stra	ategy								
mo1	ECTS	5	Duratio	า	1 semester	Method of grading numeric	cal grade	Modul level	graduate		
	Course	S			+ Ü (2) le taught in: Englis	h		,			
	Method of assessment				ritten examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) or c) oral examination of one n (approx. 10 to 15 minutes) or oral examination in groups (groups of 2 approx. 20 minutes, groups of 3 appro- guage of assessment: English						
12-M-CHA-182-	Change	e Mana	gement								
mo1	ECTS 5 Duration			1	1 semester	Method of grading numeric	cal grade	Modul level	graduate		
	Course	·S		V (2)	+ Ü (2)	•		•			
	Method of assessment		Asses Langu	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Assessment offered: In the semester in which the course is offered Language of assessment: German and/or English creditable for bonus							
12-M-CIU-182-m01	Manag	erial Ac	counting	in the	Company Manager	nent					
	ECTS	5	Duratio	า	1 semester	Method of grading numeric	cal grade	Modul level	graduate		
	Course	:S	•	V (2)	+ Ü (2)	•					
	Method	d of ass	essment	Asses Langu	written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) ssessment offered: In the semester in which the course is offered anguage of assessment: German and/or English reditable for bonus						
12-M-INST-182-	Strateg	gic Man	agerial Ad	count	ing						
mo1	ECTS	5	Duratio	า	1 semester	Method of grading numeric	cal grade	Modul level	graduate		
	Course	·S		V (2)	+ Ü (2)			-			
	Method	d of ass	essment	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-	Coordin	nation,	Budgeting	and Incenti	ves in Organ	nizations		,			
BO-182-mo1	ECTS	5	Duration	1 sem	ester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S	·	V (2) + Ü (2)		,		·			
	Method	d of ass	sessment	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-PROM-182-											
mo1		5	Duration		ester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (2)		[1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3		
	Method	d of ass	sessment	Language of	written examination (approx. 60 minutes) Language of assessment: German and/or English Creditable for bonus						
12-M-RE-	Accoun	ting ar	nd Capital	Markets							
KA-182-mo1	ECTS	5	Duration	1 sem	ester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		V (2) + Ü (2)							
	Method of assessment			Language of	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-MA-	Managerial Analytics & Decision Making										
DM-182-mo1	ECTS 5 Duratio		1 sem	ester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		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							
12-M-SMGS-182-	Strateg	ic Man	agement	of Global Sup	ply Chains						
mo1	ECTS	5	Duration	ı 1 sem	ester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S	,	V (2) + Ü (2) Module taught in: English							
	Method of assessment			written examination (approx 60 minutes) Language of assessment: German and/or English creditable for bonus							
12-M-SDC-182-	Strateg	ic Deci	isions and	Competition							
mo1	ECTS	5	Duration		ester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		V (2) + Ü (2) Module taught in: English							
	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-Tl1-182-m01	Theory	of Indu	strial Org	anizat	ion		,				
	ECTS	5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) - Modu	+ Ü (2) le taught in: English	1					
	Method	d of ass	essment	Langu	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) Language of assessment: English Excreditable for bonus						
12-M-WPE-192-	Europe	an Com	petition F	Policy	'		,				
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	le taught in: English	1					
	Method of assessment			b) Ter Credi	Written examination (approx. 60 to 120minutes) or) Term paper (15 to 20 pages) reditable for bonus anguage of assessment: English						
	Particip cation		nd allo- es	nation mics	There are no restrictions with regard to available places for students of the Master's degree programmes Management, International Economic Policy, Information Systems, Wirtschaftsmathematik (Mathematics for Economics) and Chinese and Economics 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	Econon	netrics	1								
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) le taught in: Germa	n (winter semester), English (summer seme	ster)				
	Method of assessment			Langu		pprox. 60 minutes) or b) term paper (approx : German and/or English	(. 15 pages)				
12-M-AM-182-m01	Advanc	ed Mic	roeconom	ics			,				
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ Ü (2) le taught in: English	1					
	Method of assessment			Langu	tten examination (a lage of assessment able for bonus	pprox. 60 minutes) or b) term paper (approx English	(. 15 pages)				

12-M-APW1-161-	Selecte	d Topic	s in Busir	ess M	anagement and Eco	onomics 1		,				
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	,		V (2) -	+ Ü (2)			•				
	Method	of asso	essment	gy; ap Asses Langu	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 presentation (approx. 30 to 45 minutes) Assessment offered: In the semester in which the course is offered Language of assessment: German and/or English creditable for bonus							
12-M-APW2-161-	Selected Topics in Business Management and Economics 2											
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	i		V (2) ·	+ Ü (2)			,				
	Method	of asso	essment	gy; ap Asses Langu	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) Assessment offered: In the semester in which the course is offered Language of assessment: German and/or English creditable for bonus							
12-M-AWI1-161-	Selected Topics in Business Information Systems 1											
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	i			+ Ü (2) e type: alternatively	S instead of V + Ü						
	Method	of asso	essment	quest or d) o 30 mi Langu	ions (approx. 60 mi oral examination (or nutes) or e) entirely	nutes) or c) presenta ne candidate each: ap	tion (15 to 20 minutes) oprox. 10 to 15 minutes ed written examination	with written elaborations; groups of 2: approx. 2	partly of multiple/single choice n (approx. 20 pages), weighted 1:2 o minutes; groups of 3: approx.			
12-M-AWI2-161-	Selecte	d Topic	s in Busir	iess In	formation Systems	2		'				
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	i			+ Ü (2) e type: alternatively	S instead of V + Ü						
	Method	of asso	essment	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) with 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 M	1arketi	ng I					'				
mo1	ECTS 5	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		•		$V(2) + \ddot{U}(2)$							
					Module taught in: English							
	Method o	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-DM2-182-	Digital Marketing II											
mo1	ECTS 5	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) - Modu	- Ü (2) le taught in: English							
	Method of assessment			a) writ Asses Langu	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) Assessment offered: In the semester in which the course is offered Language of assessment: English creditable for bonus							
12-M-EC1-182-m01		erce I	,						_			
	ECTS 5	5	Duratio	,	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) - Modu	- Ü (2) le taught in: English							
	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-EC2-182-m01	E-Comme	erce II		•								
	ECTS 5	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) Modu	le taught in: English							
	Method of assessment			Asses Langu		oprox. 60 to 120 minu e semester in which English		r (15 to 20 pages)				
12-M-RTP-182-m01	Real-Tim	ie Proc	ess Anal	ytics								
	ECTS 5	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) - Modu	- Ü (2) le taught in: English							
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Assessment offered: In the semester in which the course is offered Language of assessment: German and/or English creditable for bonus								

12-M-TDS-182-m01	Topics	in Data Sci	ence		- -	-						
			ration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course			2) + Ü (2) dule taught in: Englisl	h							
	Method	d of assessi	Ass Lan	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Assessment offered: In the semester in which the course is offered Language of assessment: German and/or English creditable for bonus								
12-M-TIF1-182-m01	Topics	in Informat	on Syste	ms 1		'						
	ECTS	5 Du	ration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S	V (2	2) + Ü (2)		,						
			pro Ass Lan cre	n) written examination (approx. 60 minutes) or b) oral examination (one candidate each: 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or c) term paper (approx. 15 to 20 pages) Assessment offered: In the semester in which the course is offered Canguage of assessment: German and/or English Careditable for bonus								
12-M-TIF2-182-m01	Topics in Information Systems 2											
	ECTS	5 Du	ration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S	V (2	2) + Ü (2)								
	Method	d of assessi	pro Ass Lan	x. 20 minutes; groups sessment offered: In th	approx. 60 minutes) or b) oral examination (one s of 3: approx. 30 minutes) or c) term paper (approxes semester in which the course is offered serman and/or English							
12-RM-RA-192-m01	Stocha	stic Models	for Risk A	Analysis								
	ECTS	5 Du	ration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S	Ü (2	2) + V (2)								
	Method	d of assessi	nent Wri	tten examination (app	orox. 60 minutes)							
	Participants and allocation of places			30 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.								

12-RM-RW-192-	Stocha	stic Mo	dels for R	isk As	sessment						
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2)	+ Ü (2)	•	•	·			
	Method	of ass	essment	Writte	Written examination (approx. 60 minutes)						
	Particip cation			Shou (1) Ma (2) Th (3) W	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.						
12-M-BUC-182-	Commu	ınicatio	n in Busi	iess a	nd Economics			,			
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			+ Ü (2) Ile taught in: Englis	h					
	Method of assessment			Langu	written examination (approx. 60 minutes) Language of assessment: English creditable for bonus						
12-M-ECC-182-m01	Business Communication in Print, Online and Social Media										
	ECTS 5 Duratio		Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2)	+ Ü (2)	•		•				
	Method of assessment			written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus							
12-M-VGP-202-	Manag	erial Pr	actice Lec	tures							
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (2)	-	`		,			
	Method	of ass	essment		olio (approx. 15 pag uage of assessmen	res) t: German and/or Eng	lish				
12-M-ATDS-211-	Advanc	ed Topi	ics in Dat	a Scier	ice	,					
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			$V(2) + \ddot{U}(2)$ Module taught in: English						
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English Assessment offered: Only when announced in the semester in which the courses are offered creditable for bonus							

12-M-IMS-211-m01	Interna	tional <i>I</i>	Marketing	Strate	egy		,					
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (2)	(2)							
	Method of assessment			b) ter c) ter d) po	a) written examination (40 to 60 minutes) or b) term paper (15 to 20 pages) and presentation (approx. 20 minutes) (weighted 2:1) or c) term paper (30 to 40 pages) or d) portfolio (approx. 20 pages) Language of assessment: German and/or English							
12-M-VWP-211-	Econon	nist Pra	ctice Lect	ures			,					
mo1	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (2)	_							
	Method of assessment			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								
12-M-EAI-221-m01	Enterp	rise Al					1					
	ECTS 5 Duratio			า	1 semester	Method of grading numerical grade	Modul level					
	Course	S		V (2)	+ Ü (2)	·						
	Method of assessment		essment	b) ter c) ora Langu	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-Kl1-221-m01	Informa	ation Sy	/stems an	d Artif	icial Intelligence 1							
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level					
	Course	S	•	V (2)	+ Ü (2)		•					
	Method of assessment			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 (approx. 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-Kl2-221-m01	Informat	ion Sy	stems an	d Artif	icial Intelligence 2			'	•		
	ECTS 5	5	Duration	1	1 semester	Method of grading n	umerical grade	Modul level			
	Courses			V (2)	+ Ü (2)						
	Method of assessment			b) ora c) ter Langu Asses	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 (approx. 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-VS-221-m01	Vertical Storytelling										
		10	Duration	1	1 semester	Method of grading in	umerical grade	Modul level	1		
	Courses			S (2)		1 0 01	<u> </u>		'		
				portfo Asses		ry year, summer semest	er	,			
12-M-OEDT-231-		ational	Economi	cs and	d Digital Transforma	ation			_		
mo1	ECTS 5	5	Duration		1 semester	Method of grading n	umerical grade	Modul level			
	Courses			V (2) + Ü (2) Module taught in: English							
	Method of assessment			Langi	tten examination (a uage of assessment table for bonus	pprox. 60 minutes) or b : English) term paper (approx	(. 15 pages)			
12-M-PEM-182-	Policy Ev	Policy Evaluation Methods									
mo1	ECTS 5 Duration			ı	1 semester	Method of grading n	umerical 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							
	Addition	al Info	rmation	Resea	arch track module ir	n Master's programme II	P		- -		
12-M-TE-231-m01	Topics in	ı Empiı	rical Econ	omics							
	ECTS 5	5	Duration	1	1 semester	Method of grading n	umerical grade	Modul level			
	Courses				+ Ü (2) ıle taught in: Englisl	h					
	Method of assessment			portfolio (approx. 50 hours) Prüfungssprache: Englisch Creditable for bonus							
	Participa cation of			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. (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 Inf	ormation Syste	ems (201	9)				JMU Würzburg • generate	ed 20-0kt-2023 • exam. reg. data r	ecord 88 j10 - - H 2019 page 35 / 38		

10-I=SB-212-m01	Systems E	Benchmarking	5								
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	9	Modul level				
	Courses		V (2)	+ Ü (2)			•				
	Method of	fassessment	If anr of on date) credi	written examination (approx. 60 to 120 minutes). f 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). creditable for bonus anguage of assessment: German and/or English							
	Additiona	l Information	Focus		dents of the Master's programme Info	rmatik (Compu	ter Science, 120	o ECTS credits):			
10-xtAl=CV-202-	Computer	Vision					'				
mo1	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	9	Modul level	graduate			
	Courses	·		+ Ü (2) ıle taught in: English	1						
	Method of	fassessment	If anr of on date) Lang	Vritten examination (approx. 60 to 120 minutes) announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination fone candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candiate). anguage of assessment: English reditable for bonus							
10-l=IP-222-m01	Image Processing and Computational Photography										
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	9	Modul level				
	Courses			V (2) + Ü (2) Module taught in: English							
	Method of	fassessment	If anr of on date) Lang	ounced by the lectue e candidate each (a	rox. 60 to 120 minutes) rer at the beginning of the course, the pprox. 20 minutes) or an oral examina : English						
10-l=M-	Multilingu	ıal NLP									
NLP-232-m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	9	Modul level	graduate			
	Courses	,		+ Ü (2) ıle taught in: Germa	n and/or English						
	Method of	fassessment	If anr of on date) Lang	ten examination (approx. 60 to 120 minutes) inounced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination ne candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- e). guage of assessment: English ditable for bonus							

						,					
10-I=SNA-232-m01	Statistical Ne	twork Analy	/sis								
	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		$V(2) + \ddot{U}(2)$								
			Module taught in: English								
	Method 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								
	Additional Info		Focuses available for st IN	udents of the Master's programme Informatik (Computer Science, 12	o ECTS credits):					
10-l=OR-232-m01	Operations Research										
	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + Ü (2) Module taught in: German and/or English								
	Method 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 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: German and/or English creditable for bonus								
	Additional Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN								
10-l=MLN1-232-	Machine Learning for Networks 1										
mo1	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level						
	Courses		V (2) + Ü (2) Module taught in: Engli	sh							
			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								
	Additional Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,SE,KI,HCI,IN								

10-l=DM-232-m01	Data Science									
	ECTS 5 Duratio		า	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 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): IT,KI,HCI,GE,SEC						
Thesis (30 ECTS credits)										
12-WI-MA-192-mo1 Master Thesis Information Systems										
	ECTS	30	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S								
	Method of assessment				Master's thesis (approx. 60 to 80 pages) Language of assessment: German and/or English					
	Additional Information			Time to complete: 6 months						