

## **Annex SFB**

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

Responsible: Faculty of Management and Economics

Examination regulations version: 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		'								
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be sp	o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y							
	Method of as	ssessme	ent	-							
	Only after su completion o		l if applica	if applicable							
	Other prereq	uisites	if applica	if applicable							
	Participants and allocation of places		ocati- if applica	if applicable							
	Additional information		on if applica	if applicable							
	Referred to in	n LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)							

Compulsory Course	es (25 EC	TS cred	lits)									
12-IV-161-m01	Informa	ation P	ocessing	within	Organizations							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	•	V (2) -	$V(2) + \ddot{U}(2)$							
	Method	d of ass	essment	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	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)							
	Method of assessment			b) ora minut Langu	a) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) canguage of assessment: German and/or English creditable for bonus							
12-PS-192-m01	Project Seminar											
	ECTS 15 Duratio			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 (approx 300 hours) as well as presentation (approx. 20 minutes), weighted 1:2:1  Language of assessment: German and/or English creditable for bonus								
<b>Compulsory Elective</b>	res I: Fundamentals Computer Science (10 ECTS credits)											
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)							
				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): IT,IS,HCI,GE							

10-I=PA-161-m01	Analysi	is and De	sign of Pr	ogra	ms		-					
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	١	/ (2) +	+ Ü (2)							
	Method	l of asses	li C C	f ann of one date). Langu	ritten examination (approx. 60 to 120 minutes). fannounced 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: German and/or English reditable for bonus							
	Additio	nal Infor		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	y of Soft	ware Syst	ems			'					
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	5			/ (2) + Ü (2) Nodule taught in: English							
	Method	i or asses	1: C C	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=SAR-161-m01	Softwa	re Archite	ecture				'					
	ECTS	5	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course			• • •	+ 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,ES								
	Referre	d to in LP	201	3 22 I	Nr. 3 b)							

10-l=Kl1-161-m01	Artifici	al Intel	ligence 1			,						
	ECTS	5	Duration	1	1 semester	Method of grading nun	nerical grade	Modul level	graduate			
	Course	es		V (2)	+ Ü (2)				-			
	Metho	d of ass	essment			oprox. 60 to 120 minutes).	course the written	examination may be	replaced by an oral examination			
				of one date) Langu	anguage of assessment: German and/or English reditable for bonus							
	Additio	onal Info	ormation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,HCI							
10-l=ST-161-m01	Discret	te Event	Simulation	on	,							
	ECTS 8 Duratio			ı	1 semester	Method of grading num	nerical grade	Modul level	graduate			
	Course	es		V (4)	+ Ü (2)			•	-			
				If ann of one date) Langu credit	written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus							
	Additio	onal Info	ormation	Focus IT,IS,I		tudents of the Master's prog	gramme Informatik (C	Computer Science, 120	ECTS credits):			
10-I=APR-182-mo1	Advanced Programming											
	ECTS	5	Duration	1 semester Method of grading numerical grade Modul level graduate					graduate			
	Course	es		$V(2) + \ddot{U}(2)$ Module taught in: English								
	Metho	d of ass	essment	Langu	written examination (90 to 120 minutes) Language of assessment: English creditable for bonus							
10-I=PNN-212-m01	Progra	mming	with neur	al nets								
	ECTS	5	Duration	1	1 semester	Method of grading num	nerical grade	Modul level	graduate			
	Course	es		V (2)	+ Ü (2)							
	Method of assessme				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). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focus	es available for st	tudents of the Master's prog	gramme Informatik (C	Computer Science, 120	ECTS credits): SE,IT,KI,HCI,GE			

10-I=STM-162-m01	NLP and	d Text I	Mining		,	1			_			
	ECTS	5	Duration	n	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).	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).  Language of assessment: German and/or English							
	Additio	nal Info	rmation	Focus	es available for st	tudents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): AT, IT, HCI.			
	Referre	d to in	LPO I	§ 22 l	l Nr. 3 b)							
10-I=SB-212-m01	System	s Benc	hmarking					,				
	ECTS 5 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) -	(2) + Ü (2)							
	Method of assessment			If ann of one date). Langu credit	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								
10-xtAl=CV-202-	Compu	ter Visi	on									
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) - Modu	+ Ü (2) le taught in: Engli	sh			-			
	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								

10-l=IP-222-m01	Image	Process	sing and C	ompu	tational Photograph	y						
	ECTS	5	Duration	ı	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			V (2) + Ü (2) Module taught in: English							
	Method	d of ass		If ann of one date) Langu	ounced by the lectu e candidate each (ap	rox. 60 to 120 minutes) rer at the beginning of the course, the written ex oprox. 20 minutes) or an oral examination in gro English						
	Referre	d to in	LPO I	§ 22 l	22 II Nr. 3 b)							
10-l=M-	Multili	ngual N	ILP									
NLP-232-m01	ECTS 5 Duration				1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S			' (2) + Ü (2) Nodule taught in: German and/or English							
	Method of assessment			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							
	Referre	d to in	LPO I	§ 22 II Nr. 3 b)								
10-I=SNA-232-m01	Statist	ical Net	work Ana	lysis								
	ECTS	5	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S			+ Ü (2) ıle taught in: English	1						
	Method	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			Focus	es available for stud	dents of the Master's programme Informatik (Con	mputer Science, 12	o ECTS credits): IN				

10-l=OR-232-m01	Operat	ions Re	esearch				,				
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			V (2) + Ü (2) Module taught in: German and/or English						
	Method	d of ass	sessment	If anr of on date) Lang	rritten 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: German and/or English reditable for bonus						
	Additio	Additional Information			ses available for s	students of the Master's programme Inform	atik (Computer Science, 12	o ECTS credits): IN			
	Referre	d to in	LPO I	§ 22	II Nr. 3 b)						
10-l=MLN1-232-	Machin	ie Lear	ning for N	etwork	(S 1		'				
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						
	Method	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 or candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes pate).  Language of assessment: English creditable for bonus						
	Additio	nal Info	ormation	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	LPO I	§ 22 II Nr. 3 b)							
10-l=DM-232-m01	Data So	cience									
	ECTS	5	Duratio	า	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) Lang	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): IT, KI, HCI, GE, SEC, IN							

	ves II: Tracks (40 ECTS croks, students may select to										
	Systems (20 ECTS credit										
12-GPU-192-m01	Business Software 1: IS	-based Enterprise Management									
	ECTS 5 Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses	V (2) + Ü (2)									
	Method of assessment	b) oral examination (one minutes) or c) Term paper (approx. 19 Language of assessment	c) Term paper (approx. 15 to 20 pages) or 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	Business Software 2: Enterprise Resource Planning Systems										
	ECTS 5 Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses	V (2) + Ü (2)									
	Method of assessment	a) Written examination (approx. 60 minutes) or b) 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 (approx. 15 to 20 pages) or Language of assessment: German and/or English Assessment offered: Once a year, summer semester creditable for bonus									
	Participants and allocation 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-ES-161-m01	Advanc	ed Sen	ninar: Ente	erprise	Systems							
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	,	S (2)								
	Method	d of ass	essment		term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1  Language of assessment: German and/or English  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.							
	Particip cation		nd allo- es	all ap								
Track 2: Business	Analytics	(20 EC	TS credit	s)								
12-M-DSS-192-	Decisio	n Supp	ort Syste	ms								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2)	+ Ü (2)	,		·				
	Method of assessment			b) ora minu Langi	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) Language of assessment: German and/or English creditable for bonus							
	Participants and allo- cation of places			(1) M (2) Th (3) W	ld the number of a aster's students of ne remaining place hen places are allo	Information Systems s will be allocated to socated in accordance	e number of available pla will be given preferential students of other subjects with (1) and (2) and the nu applicants from this grou	consideration. s. umber of applications	ocated as follows: exceeds the number of available			
12-BI-192-m01	Analyti	cal Info	ormation S	ysten	ıs							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)	,		·				
	Method of assessment			Langi	written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus							
	Participants and allo- cation of places			1) Ma (2) Th (3) W	the number of a ld the number of a ster's students of ne remaining place hen places are allo	Information Systems will be allocated to socated in accordance	e number of available pla vill be given preferential o students of other subjects vith (1) and (2) and the no applicants from this grou	consideration. s. umber of applications	ocated as follows: exceeds the number of available			

12 M DUA ((1 112 )	Dusins	AI									
12-M-BUA-161-m01	ECTS	10	Duration		1 semester	Method of grading	numarical grada	Modul level	graduate		
	Course		Duration	S (2)	1 Semester	Method of grading	Humerical grade	Modul level	graduate		
	Method of assessment			term ¡	iage of assessment	o 25 pages) and prese : German and/or Eng		, weighted 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 3: Electronic	Busines	s (20 E(	CTS credit	s)							
12-M-IBS-192-m01	E-Busir	iess Sti	ategies								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) -	+ Ü (2)			•			
	Method of assessment			b) ora minut Langu	b) 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						
	Participants and allocation of places			(1) Ma (2) Th (3) WI	d the number of ap aster's students of I e remaining places nen places are alloo	nformation Systems will be allocated to stated in accordance w	e number of available places, will be given preferential cons tudents of other subjects. with (1) and (2) and the numbe applicants from this group.	ideration.	ocated as follows: exceeds the number of available		
12-M-MUS-161-	Mobile	and Ub	iquitous	Systen	ıs						
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	~		Ü (2) ·					_		
	Method of assessment			b) ora minut Langu	l examination (one es)	pprox. 60 minutes) o candidate each: app : German and/or Eng	rox. 15 to 20 minutes; groups	of 2: approx. 20 I	minutes; groups of 3: approx. 30		

12-M-SE-	Semina	ar: E-Bu	siness St	ategie	<u> </u>			,				
BS-161-mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2)	5 (2)							
	Method	d of ass	essment		term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1							
				Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
	Participants and allo-							ماموانور	sees will be allocated by let among			
		of place		all ap	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.							
Track 4: Global Ope	erations	and Inf	ormation	Manag	gement (20 ECTS cr	edits)						
12-M-UGF1-182-	Corpor	ate Enti	epreneur	ship								
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			Modu	+ Ü (2) ıle taught in: Englisl							
	Method	d of ass	essment			pprox. 60 to 120 minut	es) or	,				
				b) term paper (15 to 20 pages) or c) oral examination of one candicate each (approx. 10 to 15 minutes) or oral examination in groups (groups of 2 approx. 20 mi-								
				nutes, groups of 3 approx. 30 minutes)								
					lage of assessment							
12-M-UGF3-182-	Digital Entrepreneurship											
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) + Ü (2) Module taught in: English								
	Method	d of ass	essment	a) written examination (approx. 60 to 120 minutes) or								
				b) term paper (15 to 20 pages) or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30								
				minut		candidate each, appro	7. 10 to 15 minutes, groups	3 οι 2. αρριολ. 20 ι	illiates, groups of 3. approx. 30			
				Language of assessment: English								
12-M-SAS-182-m01	Advanc	ed Sem	inar: Entı	epren	eurship and Manag	ement						
	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			S (2)								
	Method	d of ass	essment				1 (15 to 30 minutes), weigh	ited 2:1				
				Language of assessment: German and/or English								
	Participants and alla			Assessment offered: Once a year, winter semester  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								
	cation of places								d by lot as they become available.			

Track 5: Operation	s Manag	gement	(20 ECTS	credits	s)							
12-M-GL-	Global	Logisti	ics & Supp	ly Cha	in Management							
SC-182-m01	ECTS	5	Duratio	1	1 semester	Method of grading numerical g	grade	Modul level	graduate			
	Course	!S			+ Ü (2)	'			•			
					ıle taught in: Engli							
	Method	d of ass	sessment	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	ced Ope	erations &	Logis	tics Management							
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical g	grade	Modul level	graduate			
	Course				/ (2) + Ü (2) Module taught in: English							
	Method	d of ass	sessment	b) ter Langi	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	Seminar: Operations Management										
	ECTS	10	Duratio	1	1 semester	Method of grading numerical g	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 Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
Compulsory Electiv	es III: El	lectives	5 (15 ECTS	credit	5)							
12-ACSE-161-m01	Adapti	on and	Continuo	ıs Sys	tem Engineering							
	ECTS	5	Duratio	า	1 semester	Method of grading numerical g	grade	Modul level	graduate			
	Course	.S		V (2) + Ü (2)								
	Method	d of ass	sessment	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								
	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-AGP2-192-m01	Business Service Platforms 2											
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (2)									
	Method of	assessment	Langu	written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus								
	Participant cation of pl	aces	Shou (1) Ma (2) Th (3) W 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-BSA-192-m01	<b>Business S</b>	ervice Platfo	rms 1									
	ECTS 5	Duratio	,	1 semester	Method of grading   numerical grade	Modul level	graduate					
	Courses		V (2)									
	Method of	assessment	Langu	vritten examination (approx. 60 minutes) .anguage of assessment: German and/or English creditable for bonus								
	Participant cation of pl		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	Business Processes Organisation, Business Software and Process Industries											
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (2)	+ Ü (2)								
	Method of	assessment	Langu	written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus								
	Participant cation of pl		all ap	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot amon 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 and I	nformation										
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (2)									
	Method of	assessment	a) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) Language of assessment: German and/or English									

12-M-AGAF-161-	Work Order Planning for Automated Manufacturing											
mo1	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) -	+ Ü (2)								
	Method of ass	essment		n examination (appr								
	<u> </u>				German and/or Engl	ish						
12-M-ATW1-161- mo1	Topics in Busi				l a a a l a a a a a a a a a a a a a a a		1					
11101	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
42 M ATM2 464	Courses		Cours	+ Ü (2) e type: alternatively								
			a) written examination (approx. 60 minutes) or b) presentation (15 to 20 minutes) and written elaboration (approx. 20 pages); (weighted 1:2) or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) Language of assessment: German and/or English creditable for bonus									
12-M-ATW2-161-		_		mation Systems 2								
m01	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2) + Ü (2) Course type: alternatively S instead of V + Ü									
	Method of ass	essment	a) written examination (approx. 60 minutes) or b) presentation (15 to 20 minutes) and written elaboration (approx. 20 pages); (weighted 1:2) or c) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes)  Language of assessment: German and/or English creditable for bonus									
12-M-ISR-192-m01	Information systems research											
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		<u> </u>	+ Ü (2)								
	Method of ass	essment	a) Written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) Language of assessment: German and/or English creditable for bonus									
	Participants ar cation 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.									

10-I=DB2-161-m01	Databa	Databases 2												
	ECTS	5	Duration	1	1 semester	Method of grading r	umerical grade	Modul level	graduate					
	Course	S		V (2) -	+ Ü (2)									
				If ann of one date). Langu credit	vritten 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 candilate).  anguage of assessment: German and/or English reditable for bonus									
				Focus	es available for stu	dents of the Master's p	rogramme Informatik (Con	nputer Science, 12	o ECTS credits): SE, IS, HCI.					
10-I=CB-161-m01	— <u> </u>		truction											
	ECTS 5 Duratio				1 semester	Method of grading r	umerical 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										
	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	tion Re	trieval											
	ECTS	5	Duration		1 semester	Method of grading r	umerical grade	Modul level	graduate					
	Course				+ 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										
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,IS,HCI,GE										

10-l=Kl1-161-m01	Artificia	al Intel	ligence 1								
	ECTS	5	Duration	<u> </u>	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (2) -	+ Ü (2)	<u>.</u>		•			
	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		es available for sti ,IS,HCI	udents of the Master's programme Informatik (Co	mputer Science, 120	o ECTS credits):			
10-l=Kl2-161-m01	Artificia	al Intel	ligence 2				,				
	ECTS	5	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course	S		V (2) ·	(2) + Ü (2)						
	Method of assessment			If ann of one date). Langu credit	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 cadate).  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,GE							
10-l=EL-161-m01	E-Learn	ing	'		'		"				
	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	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,HCI,GE							

10-l=PA-161-m01	Analys	is and [	esign of	Progra	ms		1				
	ECTS	5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)		*				
	Method	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		dents of the Master's programme Informatik (	Computer Science, 12	o ECTS credits):			
10-l=PM-182-m01	Profess	sional P	roject Ma	nagen	nent						
	ECTS 5 Duration			1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	•	V (4)	•	•	•				
	Method of assessment			If ann of on date) Langu	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral 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	sites	We recommend completing module 10-I=PRJAK in parallel.							
	Additio	nal Info	rmation	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 for	Geograp	hic Inf	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	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,IS,HCI							

10-HCI=RIS-182-	Real-Ti	me Inte	ractive Sy	/stems	•						
mo1	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) -	V (2) + Ü (2)						
				written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation			dents of the Master's programme Informatik (Compo 3 Sentence 8 FSB (subject-specific provisions).	uter Science, 120	o ECTS credits): HCI.			
	Referre	d to in I	LPO I	§ 22 l	l Nr. 3 b)						
10-l=LP-172-m01	Logic P	rogram	ming								
	ECTS 5 Duratio			1	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Courses			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): AT, SE, IT, IS.							
10-l=NLP-182-m01	Machin	e Learr	ning for Na	atural I	Language Processin	g					
	ECTS	5	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course			V (2) + Ü (2)							
				written examination (approx. 60 to 120 minutes).  If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).  Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focus	es available for stud	dents of the Master's programme Informatik (Comp	uter Science, 120	ECTS credits): AT, IS, HCI.			

10-l=Ml-161-m01	Medica	l Inforn	natics				,				
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) -	+ Ü (2)						
	Method				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 stud IS,HCI,GE	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits):			
10-I=PEB-161-m01	Perforn	nance E	ingineerin	g & Be	enchmarking of Com	puter Systems					
	ECTS	5	Duration	1	1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course			` ′	V (2) + Ü (2)						
	Method	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							
	Additional Information			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	Prograi	mming	with neur	al nets			,				
	ECTS	5	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate			
	Course				+ Ü (2)						
	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: German and/or English creditable for bonus							
	Additional Information			Focus	es available for stud	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): SE, IT, IS, HCI, GE.			

10-l=R01-182-m01	Roboti	CS 1						1	,		
	ECTS	8	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (4) + Ü (2) Module taught in: English							
	Method	d of ass	essment	written examination (approx. 6o to 90 minutes) Separate written examination for Master's students. Language of assessment: English creditable for bonus							
	Additional Information			Focus GE.	es available for stud	dents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): IS, ES, LR, HCI,		
10-l=SSS-172-m01	Securit	y of Sof	ftware Sy	stems							
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			V (2) + Ü (2) Module taught in: English						
	Method	ı or assi	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	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	Simulation	on							
	ECTS Course	8 !S	Duration	1 V (4) -	1 semester + Ü (2)	Method of grading	numerical grade	Modul level	graduate		
	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		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,IS,ES,GE							

10-l=SAR-161-m01	Softwa	re Arch	itecture							
	ECTS	5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	:S	,	V (2) + Ü (2)						
	Method	d 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	onal Info	ormation	Focuses available for SE,IT,ES	students of the Master's programme Informatil	k (Computer Science, 12	o ECTS credits):			
	Referre	d to in	LPO I	§ 22 II Nr. 3 b)						
10-l=STM-162-m01	NLP an	d Text	Mining							
	ECTS	5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	:S		V (2) + Ü (2)			•			
	Additional Information			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  Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, IT, HCI.						
	Referred to in LPO I			§ 22 II Nr. 3 b)						
10-I=PRJAK-162-				in Computer Science						
10-1=PKJAK-162-		5	Duration							
				P (4)	Method of grading   numerical grade	Modul level	graduate			
				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. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered  Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, IS, ES, LR, HCI, GE.						
12-M-IMM-161-m01	Interna	tional								
12 141 1141141-101-11101	International Marketing ECTS 5 Duration				Method of grading numerical grade	Modul level	graduate			
				V (2) + Ü (2)	I method of glading   humerical glade	Modulitevel	Sidducto			
				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 nu	ımerical grade	Modul level	graduate				
	Courses		V (2)	+ Ü (2)			•					
	Method of ass	sessment	written examination (approx. 60 minutes)									
	,,	1		Language of assessment: German and/or English								
12-M-MS-161-mo1	Strategic Netv		·									
	ECTS 5	Duratio		1 semester	Method of grading nu	ımerical grade	Modul level	graduate				
	Courses			+ Ü (2)								
	Method of ass	sessment 	writte Langu	n examination (app uage of assessment	rox. 60 minutes) : German and/or English	1						
12-M-SM-161-m01	Strategic Mar	keting										
	ECTS 5	Duratio		1 semester	Method of grading nu	ımerical grade	Modul level	graduate				
	Courses			+ Ü (2)								
	Method of ass	ethod of assessment written examination (approx. 60 minutes) Language of assessment: German and/or English										
12-M-BE-192-m01	Industrial Management 4											
	ECTS 5	Duratio	1	1 semester	Method of grading nu	ımerical grade	Modul level	graduate				
	Courses	'	V (2)	+ Ü (2)			•	•				
			b) Pre c) Ter d) ent e) Por Langu credit	esentation (approx. m paper (30 to 40 p tirely or partly comp rtfolio (approx. 20 p uage of assessment table for bonus	ages) or uterised written examin	aper (15 to 20 pages), weignation (approx. 60 minutes						
	Participants a cation of place		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.									
	Additional Info	ormation	Modu	le can be taught in	form of E Learning cours	e, seminar, workshop etc						

12-M-LA-182-m01												
	ECTS	5	Duration	1 semester	Method of grading num	erical grade	Modul level	graduate				
	Course	es		V (2) + Ü (2) Course type: might a	so be offered as eLearning, se	minary, workshop, et	tc.	_				
	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 (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		all applicants irrespe	ctive of their subjects. (2) Place	es on all courses of t	the module with a res	ces will be allocated by lot among stricted number of places will be I by lot as they become available.				
12-M-SBM-182-	Indust	rial Man	nagement	1								
mo1	ECTS	5	Duration	1 semester	Method of grading num	erical grade	Modul level	graduate				
	Course	<u>!</u> S		$V(2) + \ddot{U}(2)$ Course type: might also be offered as eLearning, seminary, workshop, etc.								
	wetno	u 01 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 (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-SPM-182-	Indust	rial Man	nagement	3			,					
mo1	ECTS	5	Duration		Method of grading   num	erical grade	Modul level	graduate				
	Course	<u>!</u> S		$V(2) + \ddot{U}(2)$ Course type: might a	so be offered as eLearning, se	minary, workshop, et	tc.					
	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 (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		20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								
Master's with 1 major In	formation Sy	ystems (20:	19)			JMU Würzburg • generated 19	o-Apr-2025 • exam. reg. data r	ecord 88 j10 - - H 2019 page 24 / 40				

12-M-RM1-161-m01	Legal F	oundati	ons of Ri	sk Ma	nagement and Com	pliance				
	ECTS	2	Duration	ı	1 semester	Method of grading   numerical grade	Modul level	graduate		
	Course	s	•	V (2)			•			
	Method	d of asso	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus						
	Participants and allo- cation of places			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	Financi	al State	ment Ana	lysis	and Business Valua	tion				
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S	•	V (2)	+ Ü (2)	·	•			
	Method	d of asso	essment	Lang	tten examination (approx. 60 to 120 minutes) Iguage of assessment: German and/or English ditable for bonus					
12-M-WEW-182-	Philoso	phy of	Science a	nd Eth	ics in Business Ma	nagement and Economics				
mo1	ECTS 10 Duration			1	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course			S (2)	_					
	Method of assessment			term paper (approx. 20 to 25 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus						
	Particip cation			all ap	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will 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-m01	Risk M	anagem	ent - Con	cepts	and Systems					
	ECTS	5	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate		
	Course			V (2)						
	Method of assessment			a) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 15 to 20 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) Language of assessment: German and/or English creditable for bonus						
	Participants and allo- cation of places			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	Discou	nted Ca	shflow								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Mod	dul level	graduate	
	Course	S		V (2) ·	+ Ü (2)						
	Method	of asse	essment			oprox. 60 to 90 minu	tes) or				
					m paper (approx. 15		: a la				
					able for bonus	German and/or Engl	ISN				
12-M-CF2-182-m01	Portfol	io and C	apital Ma								
		5	Duration		1 semester	Method of grading	numerical grade	Mod	dul level	graduate	$\neg \uparrow$
	Course			V (2) ·	+ Ü (2)						
				b) ter Langu	written examination (approx. 60 to 90 minutes) or term paper (approx. 15 pages) anguage of assessment: German and/or English editable for bonus						
12-M-CF3-182-m01	Risk M	Risk Management and Corporate Finance									
	ECTS				1 semester	Method of grading	numerical grade	Mod	dul level	graduate	
	Course	S		V (2) -	+ Ü (2)			•		•	
	Method	ethod of assessment			a) written examination (approx. 60 to 90 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English creditable for bonus						
12-M-CF5-182-m01	Risk m	easuren	urement and risk valuation: Concepts and applications for banks								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Mod	dul level	graduate	
	Course	S		V (2) ·	+ Ü (2)						
	Method	d of asse	essment	b) ter Langu	m paper (approx. 15	oprox. 60 minutes) o pages) German and/or Engl					
12-M-SP-161-m01	Econon	nics of T	ax Plann	ing	'			,			
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Mod	dul level	graduate	
	Course	S		V (2) + Ü (2)						-	
	Method of assess			b) ter c) ora Langu	m paper (approx. 15 l examination of one	oprox. 60 minutes) of pages) or e candidate each (ap German and/or Engl	orox. 20 minutes)				

12-M-STB-161-m01	Tax Ac	countin	g								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate	
	Course	!S		V (2)	+ Ü (2)						
	Metho	d of ass	essment			approx. 60 minutes) o	r				
				b) ter	m paper (approx. 1	5 pages) or ne candidate each (ap	nrov ao minutos)				
						t: German and/or Eng					
					table for bonus						
12-M-AO-182-mo1	Incenti	ives in (	Organizati	ons							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate	
	Course	!S			+ Ü (2) ıle taught in: Englis	sh					
	Metho	d of ass	essment			approx. 60 minutes) o	r				
					m paper (approx. 1	5 pages) t: German and/or Eng	lich				
12-M-HRM-192-	Human	Posou	rco Manac		t and Industrial Re		11511				
mo1	ECTS	5	Duration	·					Modul level	graduate	
	Course		Duration	,	+ Ü (2)	Method of grading	Humerical grade		Modul level	graduate	
			eccment			(approx. 60 minutes) c	nr				
	Method of assessment			b) Ter	b) Term paper (approx. 15 pages) Language of assessment: German and/or English						
	Participants and allo- cation of places			natio mics	WM6: There are no restrictions with regard to available places for students of the Master's degree programmes Managemen national Economic Policy, Information Systems, Wirtschaftsmathematik (Mathematics for Economics) and Chinese an mics as well as China Business and Economics. A total of 20 places will be allocated to students of other subjects; sh number of applications exceed the number of available places, these places will be allocated by lot.					onomics) and Chinese and Econo- lents of other subjects; should the	
12-M-SAS-182-m01	Advand	ced Sen	ninar: Enti	epren	eurship and Manag	gement	-				
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate	
	Course	!S		S (2)	•	•					
	Metho	d of ass	essment	Langi	term paper (approx. 20 pages) and presentation (15 to 30 minutes), weighted 2:1 Language of assessment: German and/or English Assessment offered: Once a year, winter semester						
		pants ar of place	nd allo- es	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.							

12-M-UGF2-182-	Corpora	rate Strategy										
mo1	ECTS	5	Duration	)	1 semester	Method of grading numerica	l grade	Modul level	graduate			
	Course	S			+ Ü (2) ıle taught in: Engl	sh						
	Method	d of ass		b) ter c) ora nutes	m paper (15 to 20	one candidate each (approx. 10 to ox. 30 minutes)	15 minutes) or oral e	xamination in	groups (groups of 2 approx. 20 mi-			
12-M-CHA-182-	Change	e Manag	gement									
mo1	ECTS	5	Duration	)	1 semester	Method of grading numerica	l grade	Modul level	graduate			
	Course	S		V (2)	(2) + Ü (2)							
	Method	d of ass	essment	b) ter Langu Asses	m paper (approx. Jage of assessme	(approx. 60 minutes) or 15 pages) nt: German and/or English the semester in which the course	is offered					
12-M-CIU-182-m01	Manag	erial Ac	counting	in the	Company Manage	ement						
	ECTS	5	Duration	1	1 semester	Method of grading numerica	l 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 Assessment offered: In the semester in which the course is offered creditable for bonus								
12-M-INST-182-	Strateg	gic Man	agerial Ac	counti	ing							
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerica	l 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-	Coordi	nation,	Budgeting	g and I	ncentives in Orga	nizations						
BO-182-mo1	ECTS	5	Duration						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-PROM-182-	Project	Manag	ement an	d Con	trol							
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grad	e Modu	ıl level	graduate			
	Course	S		S (2)								
	Method	d of ass	essment			prox. 60 minutes)						
					uage of assessmer table for bonus	nt: German and/or English						
12-M-RE-	Accoun	ting an	d Capital	Marke	ts							
KA-182-m01	ECTS	5	Duratio	1	1 semester	Method of grading   numerical grad	e Modu	ul level	graduate			
	Course			` '	+ Ü (2)							
	Method	d of ass	essment		written examination (approx. 60 minutes) or							
					m paper (approx. :	15 pages) nt: German and/or English						
					table for bonus	it. German and/or English						
12-M-MA-	Manag	Managerial Analytics & Decision Making										
DM-182-mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grad	e Modu	ul level	graduate			
	Course	S			(2) + Ü (2) odule taught in: English							
	Method of assessment			b) ter Langi	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	c Management of Global Supply Chains									
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grad	e Modu	ul level	graduate			
	Course	S			+ Ü (2) ıle taught in: Engli	sh						
	Method	d of ass	essment	Langi		prox. 60 minutes) ht: German and/or English						
12-M-SDC-182-	Strateg	ic Deci	sions and	Comp	etition							
mo1	ECTS	5	Duratio	า	1 semester	Method of grading numerical grad	e Modu	ul level	graduate			
	Courses				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	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5			+ Ü (2)						
	20.41				le taught in: English		. \				
	Method	l of asso	essment		tten examination (a <sub> </sub> m paper (15 to 20 pa	pprox. 60 to 120 mini ages)	ites) or				
				Langu	lage of assessment:						
	_				able for bonus						
12-M-WPE-192- mo1	<u> </u>		petition F	<u>·</u>	T .	T					
	<u> </u>	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		V (2) Modu	le taught in: English	1					
	Method	l of asso	essment	b) ter Langı	written examination (approx. 60 to 120 minutes) or term paper (15 to 20 pages) Inguage of assessment: English editable for bonus						
	Particip cation o			natio mics	are no restrictions v nal Economic Policy as well as China Bus	, Information Systems siness and Economics	s, Wirtschaftsmathematik (Ma	athematics for Ecal	orogrammes Management, Inter- onomics) and Chinese and Econo- ents of other subjects; should the d by lot.		
12-M-OE1-182-mo1	Econom	etrics 1	Ĺ								
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S			+ Ü (2) ıle taught in: Germaı	n (winter semester), E	English (summer semester)				
	Method	l of asso	essment	b) ter Langı	m paper (approx. 15	pprox. 60 minutes) o pages) German and/or Engl					
12-M-AM-182-m01	Advanc	ed Micr	oeconom	ics							
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S			V (2) + Ü (2) Module taught in: English						
	Method	of ass	essment	b) ter Langı	tten examination (a m paper (approx. 15 uage of assessment: able for bonus		r				

12-M-APW1-161-	Selected Topics in Business Management and Economics 1											
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	·	V (2) +	- Ü (2)							
	Method	d of ass		b) writ c) terr Langu Asses	written examination (approx. 60 to 90 minutes) or written examination (questions concerning mathematical methodology; approx. 120 minutes) or term paper (approx. 15 to 20 pages) or presentation (approx. 30 to 45 minutes) nguage of assessment: German and/or English sessment offered: In the semester in which the course is offered editable for bonus							
12-M-APW2-161-	Selecte	d Topic	s in Busin	Business Management and Economics 2								
mo1	ECTS	CTS 5 Duration 1 semester Method of grading numerical grade Modul level g						graduate				
	Course	S		V (2) +	- Ü (2)							
				b) writ c) terr d) pre Langu Asses credit	a) written examination (approx. 60 to 90 minutes) or b) written examination (questions concerning mathematical methodology; approx. 120 minutes) or c) term paper (approx. 15 to 20 pages) or d) presentation (approx. 30 to 45 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus							
12-M-AWI1-161-	Selecte	d Topic	s in Busin	ess In	formation Systems	1						
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) + Cours	- Ü (2) e type: alternatively	/ S instead of V + Ü						
	Method	d of ass		a) written examination (approx. 60 minutes) or b) written examination consisting entirely or partly of multiple/single choice questions (approx. 60 minutes) or c) presentation (15 to 20 minutes) and written elaboration (approx. 20 pages); (weighted 1:2) or d) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or e) entirely or partly computerised written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus								

12-M-AWI2-161-	Selecte	ed Topic	s in Busi	ness In	formation Syster	15 2					
mo1	ECTS	5	Duratio	n	1 semester	Method of grading nur	nerical grade	Modul level	graduate		
	Course	S		V (2) - Cours		ely S instead of V + Ü		·			
	Method	d of ass	essment	b) wri c) pre d) ora minut e) ent Langu	written examination (approx. 60 minutes) or written examination consisting entirely or partly of multiple/single choice questions (approx. 60 minutes) or presentation (15 to 20 minutes) and written elaboration (approx. 20 pages); (weighted 1:2) or oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 3 inutes) or entirely or partly computerised written examination (approx. 60 minutes) anguage of assessment: German and/or English geditable for bonus						
12-M-DM1-182-	Digital	Market	ing I								
mo1	ECTS	5	Duration	1	1 semester	Method of grading nur	nerical grade	Modul level	graduate		
	Courses				u) + Ü (2) dule taught in: English						
	Method of assessment			b) ter Langu	written examination (approx. 60 to 120 minutes) or term paper (15 to 20 pages) anguage of assessment: English reditable for bonus						
12-M-DM2-182-	Digital Marketing II										
mo1	ECTS	5	Duration					Modul level	graduate		
	Course	S			V (2) + Ü (2) Module taught in: English						
	Method of assessment			b) ter Langu Asses	a) written examination (approx. 60 to 120 minutes) or b) term paper (15 to 20 pages) Language of assessment: English Assessment offered: In the semester in which the course is offered creditable for bonus						
12-M-EC1-182-mo1	E-Comr	merce I		•							
	ECTS	5	Duratio	n	1 semester	Method of grading nur	nerical grade	Modul level	graduate		
	Courses				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-EC2-182-m01	E-Comn	nerce II							
	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	l of asso	essment	b) ter Langu Asses	m paper (15 to 20 pa lage of assessment:				
12-M-RTP-182-m01	Real-Ti	me Prod	ess Anal	ytics					
	ECTS	5	Duratio	1	1 semester	graduate			
	Course	S			+ Ü (2) le taught in: English	1			
	Method	l of asso	essment	b) ter Langu Asses	m paper (approx. 15 lage of assessment:	pprox. 60 minutes) or pages) : German and/or English ne semester in which the course is offered			
12-M-TDS-182-mo1	Topics	in Data	Science				,		
	ECTS	5	Duration	5 5 5				graduate	
	Course	S		V (2) - Modu	+ Ü (2) le taught in: English	1			
	Method	l of asso	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered creditable for bonus					
12-M-TIF1-182-m01	Topics	in Infor	mation Sy	/stems	1		·		
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate	
	Course	S		V (2) ·	+ Ü (2)				
	Method	l of asse	essment	b) ora or c) terr Langu Asses	nl examination (one m paper (15 to 20 pa lage of assessment:	pprox. 60 minutes) or candidate each: 10 to 15 minutes; groups of 2: ages) : German and/or English he semester in which the course is offered	approx. 20 minutes;	groups of 3: approx. 30 minutes)	

12-M-TIF2-182-m01	Topics	Topics in Information Systems 2											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5	•	V (2) -	- Ü (2)	•	•	'					
	Method	l of ass	essment	b) ora or c) terr Langu Asses	tten examination (a l examination (one n paper (15 to 20 pa age of assessment sment offered: In th able for bonus	2: approx. 20 minutes;	groups of 3: approx. 30 minutes)						
12-RM-RA-192-mo1	Stocha	stic Mo	dels for R	Risk Analysis									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5	Ü(2) + V(2)										
	Method	of ass	essment	writte	n examination (app	rox. 60 minutes)							
	Particip cation o	of place	S	(1) Ma (2) Th (3) Wh places	d the number of ap ster's students of li e remaining places nen places are alloc s, places will be allo	nformation Systems will be allocated to sated in accordance w	e number of available pla will be given preferential tudents of other subject: with (1) and (2) and the n applicants from this grou	consideration. s. umber of applications	ocated as follows: exceeds the number of available				
12-RM-RW-192-					essment								
mo1								1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		_	V (2) -									
					n examination (app	rox. 60 minutes)							
		ation of places Should the number of applications exceed the number of available places, places will be allocated as follo (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 n places, places will be allocated by lot among applicants from this group.											
12-M-BUC-182-	Commu	nicatio	n in Busir	iess ar	d Economics								
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V (2) + Ü (2) Module taught in: English									
	Method	of ass	essment	Langu	n examination (app age of assessment able for bonus								

12-M-ECC-182-m01	Busines	usiness Communication in Print, Online and Social Media											
		5	Duration		1 semester	Method of grading numerical gra	ıde	Modul level	graduate				
	Courses			V (2)	+ Ü (2)								
	Method	of ass	essment	writte	n examination (ap	prox. 60 minutes)							
					uage of assessmen able for bonus	t: German and/or English							
12-M-VGP-202-	Manage	erial Pra	actice Lec	tures									
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical gra	ıde	Modul level	graduate				
	Courses	5		S (2)									
	Method	l of ass	essment		olio (approx. 15 pag uage of assessmen	ges) t: German and/or English							
12-M-ATDS-211-	Advanc	ed Topi	pics in Data Science										
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ıde	Modul level	graduate				
	Courses	5			+ Ü (2) ıle taught in: Englis	h							
	Method	l of ass	essment	b) ter Langu Asses	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: German and/or English Assessment offered: in the semester in which the course is offered creditable for bonus								
12-M-IMS-211-m01	Interna	tional N		Strategy									
		5	Duration		1 semester	Method of grading   numerical gra	ıde	Modul level	graduate				
	Courses	5		S (2)			'		-				
	Method	l of ass	essment	b) ter c) ter d) po	m paper (15 to 20 p m paper (30 to 40 p rtfolio (approx. 20 p		minutes) (weight	ed 2:1) or					
12-M-VWP-211-	Econom	nist Pra	ctice Lect	ures									
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical gra	ıde	Modul level	graduate				
	Courses	5		S (2)	_								
	Method of assessm				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								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V (2) -	+ Ü (2)			*		
	Method	d of asso	essment			approx. 60 minutes) o	r			
				b) ter	m paper (approx. 15	5 pages) or				
				(c) ora	l examination of on lage of assessment	e candidate each (ap : German and/or Engl	prox. 20 minutes) ish			
					able for bonus	. Cerman ana, or Eng				
12-M-Kl1-221-m01	Inform	ation Sy	stems an	d Artif	icial Intelligence 1					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V (2) -	+ Ü (2)			•	•	
				b) ora c) terr Langu Asses credit	Il examination in gram paper (15 to 20 pa mage of assessment ssment offered: In the able for bonus		dates (approx. 10 minu ish	utes per candidate) or		
12-M-Kl2-221-m01	Informa	ation Sy	stems an	d Artif	icial Intelligence 2			,		
	ECTS 5 Duration			1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V (2) -	+ Ü (2)					
	Method of assessment			b) ora c) terr Langu Asses	ll examination in grond in gro	approx. 60 minutes) o oups of up to 3 candid ages) :: German and/or Eng he semester in which	dates (approx. 10 minu ish	utes per candidate) or		
12-M-VS-221-m01	Vertica	l Storyt	elling							
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S	_	S (2)						
	Method	d of asso	essment		olio (approx. 5 page	s) ry year, summer seme	actor			
12-M-OEDT-231-	Organi	zationa	l Fconomi		Digital Transforma	•	3161			
m01	ECTS	5	Duration		1 semester		numerical grade	Modul level	graduate	
	Course		1 2 4.46.6.	1 semester   Method of grading   numerical grade   Modul level   graduate   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						

12-M-PEM-182-	Policy	Evaluat	ion Metho	ds		1			
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	!S			+ Ü (2) Ile taught in: English	1			
	Metho	d of ass	essment	b) ter Langu	tten examination (a m paper (approx. 15 uage of assessment: able for bonus		r		
	Additio	nal Info	rmation	Resea	rch track module in	Master's programme	! IEP		
12-M-TE-231-m01	Topics	in Empi	irical Econ	omics				'	
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	!S			+ Ü (2) ıle taught in: English	1			
	Metho	d of ass	essment	Langu	olio (approx. 50 hou uage of assessment able for bonus				
		pants ar of place		all ap (2) Pla	plicants irrespective aces on all courses	e of their subjects. of the module with a	restricted number of p	f available places, place laces will be allocated ir they become available.	s will be allocated by lot among the same procedure.
10-l=SB-212-m01	Systen	ns Benc	hmarking					'	
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	25		V (2) ·	+ Ü (2)			•	
	Metho	d of ass	essment	If ann of one date).	ounced by the lectue candidate each (a		of the course, the writte an oral examination in		replaced by an oral examination s (approx. 15 minutes per candi-
	Additio	onal Info	ormation		ses available for stud ES,HCI,GE	dents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits):
10-xtAl=CV-202-	Compu	ıter Visi	on						
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	!S			+ Ü (2) ıle taught in: English	1			
	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 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					
Master's with 1 major Inf	ormation Sy	stems (20	19)				JMU Würzburg • generate	ed 19-Apr-2025 • exam. reg. data r	ecord 88 j10 - - H 2019 page 37 / 40

10-I=IP-222-m01	Image Processing and Computational Photography										
	ECTS 5 Duration					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							
	Referre	d to in	LPO I	§ 22 II Nr. 3 b)							
10-l=M-	Multili	ngual N	ILP								
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	i or 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)							
10-l=SNA-232-m01	Statistical Network Analysis										
	ECTS 5 Duratio			1 semester	Method of grading   numerical grade	Modul level	graduate				
					V (2) + Ü (2) Module taught in: English						
					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						
					Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN						

10-I=OR-232-m01	Operations Research											
	ECTS 5 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) + Ü (2) Module taught in: German and/or English								
	Method	d of ass	sessment	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): IN								
	Referre	d to in	LPO I	§ 22 II Nr. 3 b)								
10-l=MLN1-232-	Machine Learning for Networks 1											
mo1	ECTS 5 Duratio		Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) + Ü (2) Module taught in: English								
	Method	1 of ass	sessment	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	ormation	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	LPO I	§ 22 II Nr. 3 b)								
10-l=DM-232-m01	Data Science											
	ECTS	5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		V (2) + Ü (2)									
	Method	d of ass	sessment	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, SEC, IN								

Thesis (30 ECTS credits)											
12-WI-MA-192-m01	Master Thesis Information Systems										
	ECTS 30 Duration		ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S									
	Method	d of asse	ssment	Master's thesis (approx. 60 to 80 pages) Language of assessment: German and/or English							
	Additional Information Time to complete: 6 months										