

## **Annex SFB**

## Studienfachbeschreibung (subject description, SFB) for the subject Economathematics as a Bachelor's with 1 major with the degree "Bachelor of Science" (180 ECTS credits)

Responsible: Faculty of Mathematics and Computer Science Responsible: Faculty of Business Management and Economics Examination regulations version: 2023 Examination regulations version: 2023

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

= 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: ditable for bonus.

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

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

15-Feb-2023 (2023-13)

22-Nov-2023 (2023-89)

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

Every module will be described using the following form:

Abbreviation	Module title											
	ECTS		Duration	(in semesters)	Method of grading		Module level					
	Courses		To be spe	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 (95 ECT	S cred	its)									
Subfield Mathemat	ics (45 EC	TS cre	dits)									
10-M-ANB-Ü-222-	Overviev	v Analy	sis for E	conom	onomathematics							
mo1	ECTS :	13	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			- 11	$V(4) + V(4) + \ddot{U}(2)$							
	Method	of asse	essment	Asses	oral examination of one candidate each (20 to 40 minutes) Assessment will have reference to the contents of modules 10-M-ANB1 and 10-M-ANB2. Language of assessment: German and/or English							
10-M-LNB-Ü-222-	Overviev	v Linea	r Algebra	a for Ed	conomathematics							
mo1	ECTS :	13	Duratio		2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				+ V (4) + Ü (2)							
M CTD				Asses Langu	examination of one candidate each (20 to 40 minutes) essment will have reference to the contents of modules 10-M-LNB1 and 10-M-LNB2. guage of assessment: German and/or English							
10-M-STB1-152-	Stochas		or Econoi	mathe	matics							
mo1	ECTS :	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				+ Ü (2)							
	Method of assessment			nutes Langi	a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)  Language of assessment: German and/or English creditable for bonus							
10-M-EFM-152-m01	Introduc	tion to	Stochas	tic Fina	ancial Mathematics							
	ECTS	9	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4)	V (4) + Ü (2)							
				a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)  Language of assessment: German and/or English creditable for bonus								
Subfield Computer	Science (	15 ECT	S credits	)								
10-I-GADW-172-	Basics in	1 Algor	ithms an	d Data	Structures for Econ	omathematics						
mo1	ECTS :	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4)	+ 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).  creditable for bonus								

10-I-PPW-222-m01	Practical Course in Programming for Economathematics											
	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully comple	ted Modul level	undergraduate				
	Courses		,	P (6)		·	•	•				
	Method	of asse	essment			rogramming exercises, approx. 120 hours) and w						
				If ann	ounced by the lect	urer at the beginning of the course, the written ex	xamination may be	replaced by an oral examination				
				of one date).	e candidate each (a	approx. 20 minutes) or an oral examination in gro	oups of 2 candidate	s (approx. 15 minutes per candi-				
Subfield Business I	Managem	ent an	d Econon		s ECTS credits)							
12-BPL-G-212-m01			-			i						
	ECTS		Duratio	on 1 semester		Method of grading   numerical grade	Modul level	undergraduate				
	Courses		1	V (2) -	+ T (2)		ļ					
	Method	of asse	essment	writte	n examination (ap	prox. 60 minutes)	,					
				Langu	anguage of assessment: German and/or English							
12-EBWL-G-212-	Organiza	ation										
mo1	ECTS	5	Duratio	n	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Courses			V (2) -	+ T (2)							
	Method	of asse	essment		written examination (approx. 60 minutes)							
	Language of assessment: German and/or English											
12-l&F-G-212-m01			d Finance			1						
	_	5	Duratio		1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Courses			V (2) -								
	Method	of asse	essment		written examination (approx. 60 minutes) Language of assessment: German and/or English							
12-Mak1-G-212-	Macroed	onomi	CS 1									
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses			V (2) -	+ T (2)		•					
	Method	of asse	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English								
12-Mak2-G-212-	Macroed	onomi	CS 2	Lange	age of assessmen	ti derman ana/or English	,					
mo1	ECTS		Duration	n	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Courses			V (2) -	+ T (2)	5 5						
			essment			prox. 60 minutes)						
				Langu	written examination (approx. 60 minutes) Language of assessment: German and/or English							
12-Mik1-G-212-	Microeco	onomic	CS 1									
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses			V (2) -	+ T (2)	·						
	Method	of asse	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English								
Bachelor's with 1 major E	conomathem	atics (202	23)			JMU Würzburg • generated 30-N	Mär-2024 • exam. reg. data	record 82 276 - - H 2023 page 4 / 39				

12-Risk-152-m01	Econom	nic Prin	ciples of	Risk M	anagement	-			,		
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modu	ıl level	graduate		
	Courses	5	•	V (2)	+ Ü (2)	·					
	Method	of ass	essment		en examination (app						
					Language of assessment: German and/or English creditable for bonus						
Compulsory Elective				5 ECTS	credits)						
Subfield Mathema			•								
10-M-NUB1-152-					conomathematics						
mo1	ECTS	10	Duratio		1 semester	Method of grading   numerical grade	Modu	ıl level	undergraduate		
	Courses				+ Ü (2)						
	Method	l of ass	essment	a) wr	itten examination (a	pprox. 90 to 180 minutes, usually chos tion in groups (groups of 2, 10 to 15 min	sen) or b) oral examir	nation of	one candidate each (15 to 30 mi-		
						: German and/or English	nates per candidate)				
					table for bonus	,					
10-M-STB2-152-	Stochas	chastics 2 for Economathematics									
mo1	ECTS 10 Duratio			n	1 semester	Method of grading numerical grade	Modu	ıl level	undergraduate		
	Courses			V (4)	+ Ü (2)						
	Method of assessment				a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) and approximation in the control of the						
					nutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)						
				Language of assessment: German and/or English creditable for bonus							
10-M-VAB-152-mo1	Advanc	ed Ana	lysis for E								
	ECTS	10	Duratio	n	1 semester	Method of grading   numerical grade	Modu	ıl level	undergraduate		
	Courses	5		V (4)	+ Ü (2)	•	,				
	Method	of ass	essment	a) wr	itten examination (a	pprox. 90 to 180 minutes, usually chos	sen) or b) oral examir	nation of	one candidate each (15 to 30 mi-		
						tion in groups (groups of 2, 10 to 15 min	nutes per candidate)				
					uage of assessment table for bonus	: German and/or English					
10-M-DGB-152-	Ordinar	ay Diffor	rontial Ea		s for Economathem	atics	,				
mo1		10	Duratio		1 semester	Method of grading   numerical grade	Modu	ا امریما	undergraduate		
	Courses		Duratio	on 1 semester Method of grading   numerical grade Modul level   undergraduate   V (4) + Ü (2)							
			of assessment   a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes)								
	Method of assessment				nutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)						
					Language of assessment: German and/or English						
				credi	table for bonus						

10-M-FAB-152-m01	Introdu	ction to	Function	al Ana	llysis for Economat	hematics			-			
	ECTS	10	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	•	V (4)	+ Ü (2)			•				
	Method	d of ass	essment	a) wri	tten examination (a	approx. 90 to 180 mini	utes, usually chosen) o	r b) oral examination of	f one candidate each (15 to 30 mi-			
				Langi credi	uage of assessmen table for bonus	ation in groups (groups t: German and/or Engl	s of 2, 10 to 15 minutes ish	per candidate)				
10-M-OML-222-	Optimization for Machine Learning											
m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S			V (4) + Ü (2) Module taught in: German and/or English							
				b) ora c) ora Langu Asses	written examination (approx. 90 to 180 minutes, usually chosen) or oral examination of one candidate each (15 to 30 minutes) or oral examination in groups (groups of 2, 10 to 15 minutes per candidate) inguage of assessment: German and/or English issessment offered: Only when announced in the semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent semester in which the courses are offered and in the subsequent seminater in the course are offered and in the subsequent seminater in the course are offered and in the course in the course in the course in the course are offered and in the course in th							
10-M-ASL-222-m01	Applied	J Stocha	astics Lab	)		·						
	ECTS	6	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2)	+ P (2)	•		•				
	Method	d of asse	essment	Langi	project work (30 to 60 hours) Language of assessment: German and/or English Creditable for bonus							
10-M-MNL-222-	Machin	ie Learn	ing and N	lumeri	cs Lab							
mo1	ECTS	6	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2)	+ P (2)	·		•				
	Method of assessment			project work (30 to 60 hours) Language of assessment: German and/or English creditable for bonus								
Subfield Business	Manage	ment ar	nd Econon	nics (1	5-35 ECTS credits)							
12-Mark-G-212-	Market	ing										
mo1	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2) + T (2)								
	Method	d of asso	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English								

12-SCRM-211-m01	Sales a	nd Cus	tomer Rel	ations	hip Management			-					
	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S	_		+ Ü (2) ıle taught in: Gern	nan and/or English		·					
				dates Langi	a) Written examination (approx. 60 to 120 Minutes) or b) Term paper (to be prepared by one candidate or in groups of 3 candidates approx. 10 pages each) or c) oral examination in groups (groups of 3, approx. 10 minutes per candidate) anguage of assessment: German and/or English creditable for bonus								
12-SMA-211-m01	Semina	Seminar: Marketing											
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			S (2) Modu	6 (2) Module taught in: German and/or English								
	Method	l of ass	essment		erm paper (approx. 15 pages) and presentation (approx. 25 minutes), weighted 2:1 anguage of assessment: German and/or English								
12-INMA-211-m01	Interna	tional <i>I</i>	Marketing										
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S	,		V (2) + Ü (2) Module taught in: German and/or English								
	Method of assessment			a) Written examination (approx. 60 minutes) or b) Term paper (15 to 20 pages) or c) Term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English									
12-BPL-F-212-m01	Supply	, Produ	ction and	d Logistics Management. Material Requirements Planning									
	ECTS	5	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S		V (2)	+ Ü (2)			^					
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination (approx. 20 minutes)									
12-HSCM-211-m01	Human	itarian	Supply Cl	nain M	anagement	,		-					
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	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: German and/or English									

12-BPL-FS-212-	Semina	ar: Sup	ply, Produ	ction a	and Logistics Man	agement						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2)	•							
	Method	d of ass	sessment	b) ter	a) term paper (approx. 15 pages) and presentation (approx. 20 minutes); (weighted 2:1) or b) term paper (approx. 20 to 25 pages) Language of assessment: German and/or English							
	Particip cation		nd allo- es	all ap	15 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-AAL-232-m01	Moderi	n Appro	aches in	Logisti	cs							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level				
	Course	S			V (2) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	sessment	b) Ter c) Ter d) ora e) Por Langu Asses	a) Written examination (approx. 60 minutes) or b) Term paper (15 to 20 pages) or c) Term paper (16 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination (approx. 20 minutes) or e) Portfolio (50 to 75 hours) Language of assessment: German and/or English Assessment offered: yearly, to be announced creditable for bonus							
	Particip cation		nd allo- es	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								
	Additio	nal Inf	ormation	Module can be taught in form of E Learning course, seminar, workshop etc.								

12-GT-232-m01	Foundations of transport logistics											
	ECTS 5 Duration	1 semester	Method of grading numerical grade	Modul level								
	Courses	V (2) + Ü (2) Module taught in: Gerr	nan and/or English									
	Method of assessment	b) Term paper (15 to 20 pages) or c) Term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination (approx. 20 minutes) or e) Portfolio (50 to 75 hours) Language of assessment: German and/or English Assessment offered: yearly, to be announced creditable for bonus										
	Participants and allocation of places	cants irrespective of th (2) Places on all course	(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.									
	Additional Information	Module can be taught in form of E Learning course, seminar, workshop etc.										
12-DS1-222-m01	Digital Science 1											
	ECTS 5 Duration	1 semester	Method of grading   numerical grade	Modul level								
	Courses	V (2) + Ü (2)										
	Method of assessment	a) Written examination (approx. 60 minutes) or b) Term paper (approx. 15 pages) or c) Term paper (10 to 15 pages) and presentation (approx. 10 minutes); (weighted 2:1) Language of assessment: German and/or English										
12-DS2-222-m01	Digital Science 2											
	ECTS 5 Duration	1 semester	Method of grading   numerical grade	Modul level								
	Courses	V (2) + Ü (2)										
	Method of assessment	a) Written examination (approx. 60 minutes) or b) Term paper (approx. 15 pages) or c) Term paper (10 to 15 pages) and presentation (approx. 10 minutes); (weighted 2:1) Language of assessment: German and/or English										
12-DS3-222-m01	Digital Science 3											
	ECTS 5 Duration	1 semester	Method of grading numerical grade	Modul level								
	Courses	S (2)										
	Method of assessment	a) Term paper (approx. 15 pages) and presentation (approx. 20 minutes); (weighted 2:1) or b) Term paper (20 to 25 pages) Language of assessment: German and/or English										

12-DS4-222-m01	Digital Science	:e 4										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level					
	Courses		S (2)	5 (2)								
	Method of ass	sessment	b) Ter	a) Term paper (approx. 15 pages) and presentation (approx. 20 minutes); (weighted 2:1) or b) Term paper (20 to 25 pages) Language of assessment: German and/or English								
12-IM-212-m01	Strategic and	Innovatio	n Management									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	<u> </u>		+ Ü (2) le taught in: Germar	n and/or English							
	Method of ass	sessment	b) ter c) ora	written examination (approx. 60 minutes) or term paper (as individual or group work; approx. 10 pages per person) or oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) nguage of assessment: German and/or English								
12-EPS-212-m01	Entrepreneur	ship										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			+ Ü (2) le taught in: Germar	n and/or English		,					
	Method of ass	sessment	a) written examination (approx. 60 minutes) or b) term paper (as individual or group work; approx. 10 pages per person) or c) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) Language of assessment: German and/or English									
12-RES-211-m01	Seminar: Research Seminar											
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		S (2) Module taught in: German and/or English									
	Method of ass	sessment	Term paper (10 to 15 pages) and presentation (in groups of up to 3 candidates, approx. 10 minutes per candidate) Language of assessment: German and/or English									
	Participants a cation of plac		Should the number of applications exceed the number of available places, places will be allocated as follows:  (1) Applicants who have already achieved a total of 90 ECTS credits or more will be given preferential consideration.  (2) When places are allocated in accordance with (1) and the number of applications exceeds the number of available places, places will be allocated according to the average grade of assessments taken so far; among applicants with the same average grade, places will be allocated by lot.									

12-BUS-211-m01	Semina	r: Busir	ness Simi	ulation								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2) Modu	le taught in: Germar	n and/or English						
	Method	d of asse	essment		Term paper (10 to 15 pages) and presentation (in groups of up to three candidates, approx. 10 minutes per candidate)  Language of assessment: German and/or English							
	Participants and allocation of places			WB4 Shoul (1) Ap (2) Wl place	15 places. WB4 Should the number of applications exceed the number of available places, places will be allocated as follows: (1) Applicants who have already achieved a total of 90 ECTS credits or more will be given preferential consideration. (2) When places are allocated in accordance with (1) and the number of applications exceeds the number of available places, places will be allocated according to the average grade of assessments taken so far; among applicants with the same average grade, places will be allocated by lot.							
12-BPS-211-m01	Semina	r: Busir	iness Plan									
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2) Modu	le taught in: Germar	n and/or English						
	Method	d of asse	essment	Term paper (10 to 15 pages) and presentation (in groups of up to three candidates, approx. 10 minutes per candidate) Language of assessment: German and/or English								
		oants an of place		(1) Ap place: will be	d the number of app plicants who have a s are allocated in ac	Iready achieved a to cordance with (1) and g to the average grad	d the number of applications ex	vill be given pre cceeds the num	ocated as follows: ferential consideration. (2) When ber of available places, places ants with the same average grade,			
12-SCM-F-212-m01	Supply	Chain <i>I</i>	Managem	ent								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2) -	+ Ü (2)							
	Method of assessment			b) teri c) terr	m paper (approx. 15 n paper (approx. 10	pages) or	sentation (approx. 10 minutes)	; (weighted 2:1)				

12-LSCM-212-m01	Semina	r: Logis	stics & Su	pply C	hain Management			,				
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5	•	S (2)	•			•				
	Method	l of asso	essment			rox. 10 to 15 pages) a t: German and/or Eng	nd presentation (approx. 10 lish	minutes), (weighte	ed 2:1)			
	Particip cation o			Shou who h locate ted a	Should the number of applications exceed the number of available places, places will be allocated as follows: (1) Applicants who have already achieved a total of 90 ECTS credits or more will be given preferential consideration. (2) When places are allocated in accordance with (1) and the number of applications exceeds the number of available places, places will be allocated according to the average grade of assessments taken so far; among applicants with the same average grade, places will be allocated by lot.							
12-Mik2-G-212-	Microe	conomi	CS 2		·			,				
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5	•	V (2)	+ T (2)			•				
	Method of assessment				written examination (approx. 60 minutes) Language of assessment: German and/or English							
12-S&W1-F-212-	Games and Strategies											
mo1	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				V (2) + Ü (2) Module taught in: German and/or English							
	Method of assessment			written examination (approx. 60 minutes) Language of assessment: German and/or English								
12-S&W2-F-212-	Compet	tition P	olicy									
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5			+ Ü (2) Ile taught in: Germa	nn and/or English						
	Method of assessment			a) written examination (approx. 60 to 90 minutes) or b) term paper (approx. 10 pages) and presentation (approx. 15 minutes), (weighted 2:1) Language of assessment: German and/or English								
12-S&W3-F-212-	Econom	nics of F	Regulatio	n								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V (2) + Ü (2) Module taught in: German and/or English								
	Method	l of asso	essment	a) written examination (approx. 60 to 120 minutes) or b) term paper (approx. 10 pages) and presentation (approx. 15 minutes), (weighted 2:1) Language of assessment: German and/or English								

12-S&W-FS-212-	Semina	r: Com	petition a	nd Stra	ategy	'					
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		S (2) Modu	le taught in: Germa	n and/or English		,			
	Method	l of asso	essment		term paper (approx. 15 pages) and presentation (approx. 20 minutes), (weighted 2:1) Language of assessment: German and/or English						
	Particip cation c			all ap	5 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-IIO-212-m01	Industri	ial Orga	anization								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5			) + Ü (2) Iule taught in: German and/or English						
	Method	l of asso	essment	b) ter	) written examination (approx. 60 to 120 minutes) or ) term paper (approx. 10 pages) and presentation (approx. 15 minutes), weighted 2:1 anguage of assessment: German and/or English						
12-DMTO-232-m01	Decision-Making in Teams and Organizations										
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5		V (2) + Ü (2) Module taught in: German and/or English							
	Method of assessment			a) written examination (approx. 60 minutes) or b) oral examination (approx. 20 minutes) Language of assessment: German and/or English							
12-GP-G-152-m01	Integra	ted Bus	iness Pro	cesse	5						
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			• • •	+ Ü (2)						
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) or c) term paper (approx. 10 to 15 pages) and presentation (approx. 10 minutes), weighted 2:1 creditable for bonus							
	Participants and allo- cation of places			15 places. (1) The number of places is not restricted for students of the Bachelor's degree subject Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits). (2) Additional places will be allocated to students of other subjects provided there is enough capacity. These additional places will be allocated by lot among all applicants irrespective of their subjects. (3) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (4) A waiting list will be maintained and places re-allocated by lot as they become available.							

12-FRBE-F-152-m01	Forward and Reverse Business Engineering											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	!S		V (2) -	+ Ü (2)		<u> </u>	•				
	Method	d of asse	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) or c) term paper (approx. 10 to 15 pages) and								
				presentation (approx. 10 minutes), weighted 2:1 creditable for bonus								
	Participants and allo- cation of places			Bache rentia accord by lot	Bachelor's students of Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) 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. (4) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (5) A waiting list will be maintained and places re-allocated by lot as they become available.							
12-Wiinf-FS-212-	Semina	ar: Infor	mation Sy	/stems								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	!S		S (2)								
	Method of assessment			term paper (approx. 20 pages) and presentation (approx. 20 minutes), (weighted 2:1) Language of assessment: German and/or English creditable for bonus								
	Participants and allocation of places			stude derati with ( applic	Should the number of applications exceed the number of available places, places will be allocated as follows: (1) Bachelor's students of Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) 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. (4) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (5) A waiting list will be maintained and places re-allocated by lot as they become available.							
12-WebP-F-152-		rogramn										
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course			V (2) -								
	Method	d of asse	essment	2: app writte	orox. 20 minutes; § n examination (ap		o minutes) or c) completion ighted 1:1		prox. 10 to 15 minutes; groups of ercises (approx. 20 hours) and			
12-Ebus-F-212-mo1	E-Busi	ness						,				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	!S		V (2) +	+ T (2)							
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) or c) term paper (approx. 10 pages) and presentation (approx. 10 minutes), weighted 2:1 or d) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) Language of assessment: German and/or English								

12-AWE-232-m01	Web Engineering											
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2) ·	+ Ü (2)							
	Method of assessment			b) ora minut c) cor	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) completion of programming exercises (approx. 20 hours) and written examination (approx. 60 minutes), weighted 1:1 Language of assessment: German and/or English							
12-EBP-152-m01	E-Busir	ess Pro	ject									
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	-	V (2) ·	+ Ü (2)	•						
	Method of assessment			prese tes)	a) written examination (approx. 60 minutes) or b) term paper (approx. 20 pages) or c) term paper (approx. 10 to 20 pages) and presentation (approx. 15 minutes), weighted 2:1 or d) entirely or partly computerised written examination (approx. 60 minutes)  Language of assessment: German and/or English							
12-BIF-211-m01	Business Intelligence											
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2) ·	+ Ü (2)							
	Method of assessment			a) Written examination (approx. 60 minutes) or b) Term paper (approx. 20 pages) or c) Term paper (10 to 20 pages) and presentation (approx. 15 minutes), weighted 2:1 or d) entirely or partly computerised written examination (apprx. 60 minutes) Language of assessment: German and/or English								
12-PFM-192-m01	Prograi	mming f	for Manag	gemen	t Students							
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2) ·	+ Ü (2)							
	Method	l of asse	essment	a) Written examination (approx. 60 minutes) or b) Oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) or c) Programming exercises (approx. 20 hours total) and written examination (approx. 60 minutes), weighted 1:1 or d) entirely or partly computerised written examination (approx. 60 minutes) Language of assessment: German and/or English								

12-DM-F-232-m01	Data Management and Analysis											
	ECTS	5	Duration		1 semester	Method of grading nu	ımerical grade	Modul level	undergraduate			
	Courses	S		V (2) -	+ Ü (2)							
	Method	l of asse		a) written examination (approx. 60 minutes) or b) oral examination (approx. 20 minutes) or c) portfolio (approx. 20 hours) Language of assessment: German and/or English creditable for bonus								
		oants and of places	S	50 places. (1) No restrictions with regard to available places for Bachelor's students of Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits). (2) Additional places will be allocated to students of other subjects provided there is enough capacity. These additional places will be allocated by lot among all applicants irrespective of their subjects. (3) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (4) A waiting list will be maintained and places re-allocated by lot as they become available. (4) A waiting list will be maintained and places re-allocated by lot as they become available.								
12-PEBI-232-m01	Planning and Decision Making in Business Information Systems											
	ECTS	5	Duration		1 semester	Method of grading nu	ımerical grade	Modul level	undergraduate			
	Courses	S		V (2) +	+ Ü (2)	·		•				
	Method of assessment			a) written examination (approx. 60 minutes) or b) oral examination of one candidate each (approx. 20 minutes) c) portfolio (approx. 20 hours) Language of assessment: German and/or English Creditable for bonus								
12-SIM-232-m01	Simula	tion										
	ECTS	5	Duration		1 semester	Method of grading nu	ımerical grade	Modul level				
	Courses			V (2) + Ü (2) Module taught in: German and/or English								
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination (approx. 20 minutes) or e) portfolio (50 to 75 hours) Language of assessment: German and/or English creditable for bonus								

12-SCGD-232-m01	Smart Cities & Geospatial Data Analytics											
	ECTS 5	Duratio	n	1 semester	Method of grading numer	rical grade	Modul level					
	Courses			+ Ü (2)								
				Module taught in: German and/or English								
	Method of as	ssessment		n) Written examination (approx. 60 minutes) or n) Term paper (15 to 20 pages) or n) Term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or								
			d) ora	ıl examination (appr	ox. 20 minutes) or							
				Portfolio (50 to 75 hours) anguage of assessment: German and/or English								
12-DDDP-232-m01				able for bonus	definant and/or English							
	Data Driven	Decisions i	n Pract	ice								
	ECTS 5	Duratio	n	1 semester	Method of grading numer	rical grade	Modul level					
	Courses			+ Ü (2)								
	AA (1 1 C			le taught in: Germar								
	Method of as	ssessment		itten examination (a m paper (15 to 20 pa	pprox. 60 minutes) or							
			c) Ter	c) Term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or								
				d) oral examination (approx. 20 minutes) or e) Portfolio (50 to 75 hours)								
				Language of assessment: German and/or English								
				able for bonus	definition and of English							
12-GPM-232-m01	Business Process Management											
	ECTS 5 Duratio			1 semester	Method of grading numer	rical grade	Modul level					
	Courses		` ′	V(2) + Ü(2)								
	Method of as			Module taught in: German and/or English								
	Method of as	ssessment		a) Written examination (approx. 60 minutes) or b) Term paper (15 to 20 pages) or								
			c) Ter	m paper (10 to 15 pa	ges) and presentation (appr	rox. 20 minutes), weight	ted 2:1 or					
				ll examination (appr tfolio (50 to 75 hour								
					German and/or English							
				creditable for bonus								
12-PDS-211-m01	Primer in Da	ta Science										
	ECTS 5	Duratio		1 semester	Method of grading numer	rical grade	Modul level	undergraduate				
	Courses			V (2) + Ü (2)								
	Method of as			Module taught in: German and/or English								
	Method of as	ssessment	a) written examination (approx. 60 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) exercises (approx. 6 pages)									
			Language of assessment: German and/or English									
			credit	creditable for bonus								

12-BSINI-212-m01	Busines	s Strat	egy for In	forma	tion and Network Inc	dustries							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5			/ (2) + Ü (2) Module taught in: German and/or English								
	Method	of asse	essment	b) teri	a) written examination (approx. 60-120 minutes) or b) term paper (approx. 10 pages) and presentation (approx. 15 minutes); (weighted 2:1) Language of assessment: German and/or English								
12-CE-212-m01	Computational Economics												
	ECTS 5 Duration		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	5		P (2) Modu	le taught in: Germar	n and/or English							
	Method	of asse	essment			rox. 60 minutes) and German and/or Engl	exercises (approx. 10 pagish	ges), (weighted 1:1)					
	Particip cation o			all ap	o places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among lapplicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be located in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.								
12-PD-152-m01	Practice	of Dat	a Analysi	S									
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	;		V (2) -	+ Ü (2)			,					
	Method	of asse	essment	weigh	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English								
12-CQW-212-m01	Computerlab - Applied Econometrics												
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		P (2)									
	Method	of asse	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) and presentation (approx. 20 minutes), weighted 2:1									
	Particip cation o			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-QWF-FS-212-	Semina	r: Econ	ometrics										
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		S (2)									
	Method	of asse	essment		term paper (approx. 15 pages) and presentation (approx. 25 minutes), (weighted 2:1)								
	Particip cation o			15 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-IntUR-G-212-	Managerial Ad	Managerial Accounting											
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		V (2) -	V(2) + T(2)									
	Method of ass	essment		written examination (approx. 60 minutes)									
	Language of assessment: German and/or English Financial Accounting												
12-Wipr1-F-212- m01					A								
11101	ECTS 5 Duration			1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses			+ Ü (2)									
	Method of ass	sessment	b) ter	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) Language of assessment: German and/or English									
12-Wipr2-F-232-	International	Accountin	g				-						
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses			+ Ü (2) le taught in: English			·						
	Method of ass	sessment	b) ter	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) Language of assessment: English									
12-Wipr3-F-212-	Financial Statement Analysis and Valuation												
mo1	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses			+ Ü (2) le taught in: Germar	n and/or English								
	Method of ass	sessment	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) Language of assessment: German and/or English										
12-Wipr-FS-212-	Seminar: Fina	ncial Acco	unting				'						
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		S (2)										
	Method of ass	sessment		term paper (approx. 15 pages) and presentation (approx. 20 minutes), weighted 2:1 Language of assessment: German and/or English									
	Participants a cation of place		15 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-I&F-F-192-m01	Decision Theo												
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	,	` ′	+ Ü (2)									
	Method of ass	essment	Writte	n examination (app	rox. 60 minutes)		,						

12-I&F-FS-212-m01	Semina	r: Invest	ment an	d Fina	nce			,	_				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		S (2)	•			•					
	Method	of asses	ssment	term	paper (approx. 15	pages) and oral examin	ation (approx. 25 minu	utes), (weighted 3:2)					
	Participa cation o			(1) Sh cants (2) Pl	places. Should the number of applications exceed the number of available places, places will be allocated by lot among all appliants irrespective of their subjects. Places on all courses of the module with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated by lot as they become available.								
12-ERM-211-m01	Introduc	Introduction to Risk Management											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V (2)	+ Ü (2)			*	-				
	Method	of asses	ssment	writte	n examination (ap	prox. 60 minutes)							
12-UBW-F-152-m01	Busines	s Valuat	ion betv	veen F	inancial Mathema	tics and Data on Capita	l Market	,					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	3		V (2)	+ Ü (2)								
	Method	of asses	ssment	writte	n examination (ap	prox. 60 minutes)							
12-ExtUR-G-212-	Account	ting						'					
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V (2)	+ T (2)								
	Method	of asses	ssment	written examination (approx. 60 minutes) Language of assessment: German and/or English									
12-St1-F-232-m01	Busines	s Taxati	on 1: An	Introd	luction to Tax Law	& Tax Planning		'					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V (2) + Ü (2) Module taught in: German and/or English									
	Method	of asses	ssment	written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus									
12-St2-F-152-m01	Busines	s Taxati	on 2: Th	e Taxa	tion of Income in	Germany		'					
	ECTS 5 Duration			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V (2) + Ü (2)									
	Method of assessment			written examination (approx. 60 minutes) creditable for bonus									

12-St3-F-152-m01	Business Taxation 3: Introduction to VAT											
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	S		V (2) ·	+ Ü (2)		*	·				
	Method	of ass	essment		a) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 10 to 15 minutes, groups of							
						oups of 3: approx. 30 minutes)						
12-StAP-V-212-m01	Solocto	d Topic	s in Busin		able for bonus							
12-3(AP-V-212-III01		5	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses		Duration		+ Ü (2)	Method of grading   numerical grade	Modulitevel	undergraduate				
			accment			nnroy 60 minutes) or						
	Wethod	. 01 433	essment	b) ter c) ora Langu	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), (weighted 2:1) or c) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) anguage of assessment: German and/or English creditable for bonus							
12-StAP-S-212-m01	Semina	r: Busi	ness Taxa				,					
	ECTS	5	Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Courses			S (2)	(2)							
	Method	of ass	essment	a) written examination (approx. 60 minutes) or								
				b) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), (weighted 2:1) or c) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate) Language of assessment: German and/or English creditable for bonus								
	Particip cation o			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-KR-152-m01	Manage	erial Ac	counting:	cost-l	ased decision-mak	ing and control	, 					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	S		V (2) ·	+ Ü (2)							
	Method	l of ass	essment	writte	n examination (app	rox. 60 minutes)						
12-VeCo-212-mo1	Sales A	ccount	ing & Mar	nagem	ent							
	ECTS			1	1 semester	Method of grading   numerical grade	Modul level	undergraduate				
	Courses				V (2)							
	Method	l of ass	essment	written examination (approx. 60 minutes)								
	Participants and allo- cation of places			40 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-AAC-212-m01	Seminar: Man	agerial Ad	counti	ng								
	ECTS 5	Duratio	n	1 semester	Method of grading nume	erical grade	Modul level	undergraduate				
	Courses		S (2)		· ·							
	Method of ass	sessment	term p	paper (approx. 12	pages) and presentation (app	orox. 20 minutes),	(weighted 2:1)					
12-EuGP-F-212-	Monetary Policy and Financial Markets  ECTS 5 Duration 1 semester Method of grading numerical grade Modul level undergraduate											
mo1	ECTS 5	Duratio	n	1 semester	Method of grading nume	rading numerical grade		undergraduate				
	Courses		V (2) - Modu	` '	nan and/or English							
	Method of ass	sessment			oprox. 6o minutes) nt: German and/or English							
12-IFM-212-m01	International	Money &	inance	<b>!</b>	_		1					
	ECTS 5	Duratio	n	1 semester	Method of grading nume	erical grade	Modul level	undergraduate				
	Courses		V (2) - Modu		nan and/or English			,				
	Method of ass	sessment	writte	written examination (approx. 60 minutes) Language of assessment: German and/or English								
12-AKP-211-m01	Applied Business Cycle Analysis and Forecasting											
	ECTS 5	Duratio	n	1 semester	Method of grading nume	erical grade	Modul level	undergraduate				
	Courses	,	S (2) Modu	le taught in: Gern	nan and/or English							
	Method of ass	sessment	prese	a) Written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) or c) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes); (weighted 2:1) or d) oral examination (approx 20 minutes) Language of assessment: German and/or English								
12-VWL1-FS-212-	Seminar: Ecor	nomic Poli	cy									
mo1	ECTS 5	Duratio	n	1 semester	Method of grading nume	erical grade	Modul level	undergraduate				
	Courses		S (2) Module taught in: German and/or English									
	Method of ass	sessment		term paper (approx. 15 pages) and presentation (approx. 25 minutes), (weighted 2:1) Language of assessment: German and/or English								
	Participants a cation of place		all ap	15 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-Fiwi-FS-212-	Seminar: Pub	lic Finance	•									
mo1	ECTS 5	Duratio	n	1 semester	Method of grading nume	erical grade	Modul level	undergraduate				
	Courses		S (2)									
	Method of ass	sessment	term p	paper (approx. 15	pages) and presentation (app	orox. 25 minutes),	weighted 2:1					

12-Konj1-F-212-	Busine	ss Cycl	e Analysis	5				,				
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2)	$V(2) + \ddot{U}(2)$							
	Method	d of ass	essment		a) written examination (approx. 60 minutes) or							
				b) ter   c) ora	b) term paper (as group or individual work, approx. 10 pages each person) or c) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate)							
12-KUV-211-m01	Seminar: Business cycles, corporate finance and asset markets											
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2)								
	Method	d of ass	essment	term	paper (approx. 15	pages) and presentation	on (approx. 25 minutes)	), weighted 2:1				
12-EM-211-m01	Europe	an Mac	roeconon	nics			_					
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course		,	V (2)	-				_			
	Method	d of ass	essment	(weig	a) Written examination (approx. 60 minutes) or b) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes); (weighted 2:1) or c) oral examination (approx 20 minutes) Language of assessment: German and/or English							
12-P&O-F-212-m01	Human Resource Management											
	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (2)	+ Ü (2)							
	Method of assessment			written examination (approx. 60 minutes)								
12-P&O-FS-212-	Semina	ar: Hum	an Resou	rce Management & Organizational Theory								
mo1	ECTS	5	Duratio	n	1 semester Method of grading numerical grade Mod				undergraduate			
	Course			S (2)								
	Method	d of ass	essment	term paper (approx. 15 pages) and presentation (approx. 20 minutes), (weighted 1:1) Language of assessment: German and/or English								
	Particip cation		nd allo- es	15 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-IntÖk-152-m01	Interna	tional	Economic	5								
	ECTS 5 Duratio			on 1 semester Method of grading numerical grade Modul level under				undergraduate				
	Course	S		V (2) + Ü (2)								
	Method	d of ass	essment	written examination (approx. 60 minutes) Language of assessment: German and/or English								

12-IntÖk-FS-152-	Seminar: Inte	rnational	Econor	nics								
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		S (2)	5 (2)								
	Method of ass	sessment		term paper (approx. 15 pages) and presentation (approx. 30 minutes), weighted 3:1 Language of assessment: German and/or English								
	Participants a cation of plac		all ap	no 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-ARS-152-m01	Applied Region	nal and U	rban E	conomics								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2)	+ Ü (2)	•							
	Method of ass	sessment	didat	) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) including empirical analysis prepared by canidates anguage of assessment: German and/or English								
12-WiPo-G-212-	Public Policy	1										
mo1	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			+ T (2) lle taught in: Germar	n and/or English		•					
	Method of ass	sessment	b) po	a) written examination (approx. 60 minutes) or b) portfolio (approx. 20 pages) Language of assessment: German and/or English								
12-A&S-F-212-m01	Labour Economics											
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			V (2) + Ü (2) Module taught in: German and/or English								
	Method of ass	sessment	b) po	a) written examination (approx. 60 minutes) or b) portfolio (approx. 20 pages) Language of assessment: German and/or English								
12-LES-211-m01	Seminar: Lab	our Econo	mics				,					
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		S (2) Modu	S (2) Module taught in: German and/or English								
	Method of ass	sessment	Term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 3:2 Language of assessment: German and/or English									

12-EVÖ-232-m01	Seminar: Empirical Psychology and Economics											
	ECTS	5	Duratio		1 semester	Method of grading numerica	ıl grade	Modul level				
	Courses	S		S (2) Modu	lle taught in: Germa	n and/or English						
				Langı	term paper (10 to 15 pages) and presentation (approx. 20 minutes), (weighted 2:1) Language of assessment: German and/or English							
12-AEDS-232-m01	Applied	l Econo	metrics a	and Data Science in Business and Economics								
	ECTS	5	Duratio	n 1 semester		Method of grading numerica	ıl grade	Modul level				
	Courses				V (2) + Ü (2) Module taught in: English							
	Method	l of ass	essment		n examination (appuage of assessment	orox. 60 minutes) : German and/or English						
12-lÖ-152-m01	Econom	nics of I	Informatio	n								
	ECTS	5	Duratio	1	1 semester	Method of grading numerica	ıl grade	Modul level	undergraduate			
	Courses				V (2) + Ü (2)							
	Method	hod of assessment   written examination (approx. 60 minutes)										
12-IAO-212-m01	Semina	r: Deci	sion Maki	ng and	l Incentive Design							
	ECTS	5	Duratio	1	1 semester	Method of grading numerica	ıl grade	Modul level	undergraduate			
	Courses			S (2) Modu	lle taught in: Germa	n and/or English						
	Method	l of ass	essment	Term paper (approx. 10 pages) and presentation (approx. 20 minutes), (weighted 2:1) Language of assessment: German and/or English								
12-EWJ-192-m01	Introdu	ction to	Busines	s Journalism								
	ECTS	5	Duratio	n	1 semester	Method of grading numerica	ıl grade	Modul level	undergraduate			
	Courses	5		V (2)	+ Ü (2)			*				
	Method	l of ass	essment		olio (approx. 20 pag uage of assessment	res) : German and/or English						
12-CWK-192-m01	Crossm	edia St	torytelling	g in Bu	siness Communica	tion						
	ECTS	5	Duratio	า	1 semester	Method of grading numerica	ıl grade	Modul level	undergraduate			
	Courses			S (2)								
	Method of assessment			Portfolio (approx. 20 pages) Language of assessment: German and/or English								
	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-WUW-211-m01	Seminar: Bus	siness Jour	nalism	and Business Comn	nunication		,			
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)							
	Method of as	ssessment		term paper (approx. 10 to 15 pages) and presentation (approx. 15 minutes); (weighted 1:1) Language of assessment: German and/or English						
12-VGP-192-m01	Managerial F	Practice Le	ctures							
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)							
	Method of assessment		Portfo Langu	olio (approx. 20 page uage of assessment:	es) German and/or Engl	ish				
12-VWP-211-m01	Economist Pi	ractice Lect	tures							
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (2)							
	Method of assessment		2:1) 0	a) oral examination (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-CCER-212-m01	Challenges of China's Economic Rise									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (2)							
	Method of as	ssessment			oprox. 60 minutes) o to 20 pages) and pre	r esentation (approx. 10 to 15 mi	nutes), (weighte	ed 2:1)		
	Participants a cation of place		20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.							
12-APW1-212-m01	Selected Top	ics of Busi	ness N	anagement and Eco	nomics 1					
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (2)	+ Ü (2)						
	Method of as	ssessment	b) ter			r sentation (approx. 20 minutes	), weighted 2:1	or		
12-APW2-212-m01	Selected Top	ics of Busi	ness N	anagement and Eco	nomics 2					
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			+ Ü (2)						
	Method of as	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or c) oral examination (approx. 20 minutes)								

12-SC-232-m01	Social Comm	Social Commerce										
	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level							
	Courses		V (2) + Ü (2)		,							
			Module taught in: Ger									
	Method of as	sessment	a) written examination (approx. 60 minutes) or b) portfolio (50-75 hours) Language of assessment: German and/or English									
			creditable for bonus									
12-CA-232-m01	Customer An											
	ECTS 5	Duratio		Method of grading   numerical grade	Modul level							
	Courses			/ (2) + Ü (2) Module taught in: German and/or English								
	Method of as	sessment	written examination (approx. 6o minutes) Language of assessment: German and/or English Creditable for bonus									
12-DD-	Data-Driven S	Supply Cha										
SCM-232-m01	ECTS 5	Duratio	n 1 semester	Method of grading   numerical grade	Modul level							
	Courses		V (2) + Ü (2) Module taught in: Ger	rman and/or English								
	Method of as	sessment	a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) e) portfolio (50 to 75 hours) Language of assessment: German and/or English									
12-DSCM-232-m01	Seminar: Dig	italization	in Supply Chain Mana	gement								
	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level							
	Courses		S (2) Module taught in: Ger	rman and/or English								
	Method of as	sessment		es) and presentation (approx. 10 minutes); wei ent: German and/or English	ghted 2:1							
12-SCA-232-m01	Seminar: Sup	ply Chain	Analytics									
	ECTS 5	Duratio	n 1 semester	Method of grading   numerical grade	Modul level							
	Courses		S (2) Module taught in: German and/or English									
	Method of as	sessment	term paper (10-15 pages) and presentation (approx. 10 minutes); weighted 2:1 Language of assessment: German and/or English									

12-DMOT-232-m01	Decisio	n-Maki	ng in Org	 anizat	ions and Teams			, <u> </u>			
		5	Duration		1 semester	Method of grading	numerical grade	Modul level			
	Courses		·	V (2) Modu	+ Ü (2) ıle taught in: Germ	an and/or English	-				
	Method	of ass	essment	a) wri b) ora	a) written examination (approx. 60 minutes) or b) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: German and/or English						
12-MDT-232-m01	Manage	Management & Digital Transformation									
	ECTS	5	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5		` ′	+ Ü (2) ıle taught in: Germ	an and/or English					
	Method	of ass	essment	b) ora Langi	al examination in g	(approx. 60 minutes) o groups of up to 3 candi nt: German and/or Eng	dates (approx. 15 minu	tes per candidate)			
12-Wise-FS-232-	Semina	ar: Information Systems and Engineering									
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5		S (2) Modu	ıle taught in: Germ	an and/or English					
	Method of assessment			term paper (approx. 20 pages) and presentation (approx. 20 minutes); weighted 2:1 Language of assessment: German and/or English creditable for bonus							
12-Wiba-FS-232-	Semina	r: Infor	mation Sy	ystems and Business Analytics							
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5		S (2) Modu	ıle taught in: Germ	an and/or English					
	Method	of ass	essment	Langi	term paper (approx. 20 pages) and presentation (approx. 20 minutes); weighted 2:1 Language of assessment: German and/or English creditable for bonus						
12-Wiki-FS-232-	Semina	r: Infor	mation Sy	/stems	and Enterprise A	rtificial Intelligence					
mo1	ECTS 5 Duratio			า	1 semester	Method of grading	numerical grade	Modul level			
	Courses	5		S (2) Modu	ıle taught in: Germ	an and/or English					
	Method of assessment			term paper (approx. 20 pages) and presentation (approx. 20 minutes); weighted 2:1 Language of assessment: German and/or English creditable for bonus							

12-SDM-232-m01	Simulation	on for Decision	Making						
	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level				
	Courses		V (2) + Ü (2) Module taught in: Gerr	man and/or English					
	Method	of assessment	a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) e) portfolio (50 to 75 hours) Language of assessment: German and/or English creditable for bonus						
12-GDA-232-mo1	Geospati	ial Data Analyti	cs & Smart Cities						
	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level				
	Courses		V (2) + Ü (2) Module taught in: Gerr	man and/or English					
	Method o	weighted 2:1 or es per candidate)							
12-DDD-232-m01	Data-Driv	ven Decisions i							
	ECTS 5	Duration		Method of grading   numerical grade	Modul level				
	Courses		V (2) + Ü (2) Module taught in: Gerr	man and/or English					
	Method	of assessment	a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) e) portfolio (50 to 75 hours) Language of assessment: German and/or English creditable for bonus						
12-DAS-232-m01	Data Sci	ence and Applie	d Econometrics in Busi	ness and Economics					
	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level				
	Courses		V (2) + Ü (2) Module taught in: English						
	Method	of assessment	written examination (approx. 60 minutes) Language of assessment: German and/or English						

12-EV-232-m01	Semina	r: Emp	irical and	Experi	mental Psychology	and Economics						
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level				
	Course	S		S (2) Modu	ıle taught in: Germa	n and/or English						
	Method	d of ass	essment	term Langi	erm paper (10-15 pages) and presentation (approx. 20 minutes); weighted 2:1 Language of assessment: German and/or English							
12-BEE-232-m01	Behavi	Behavioral and Experimental Economics										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level				
	Course	S			+ Ü (2) Ile taught in: Germa	n and/or English		,	_			
	Method	d of ass	essment	b) ter c) ter d) ora	a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) c.anguage of assessment: German and/or English							
12-GAE-232-m01	Globali	zation	and the E	he Environment								
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level				
	Course	s 			V (2) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	a) written examination (approx. 60 minutes) or b) term paper (15 to 20 pages) or c) term paper (10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or d) portfolio (50 to 75 hours) Language of assessment: German and/or English								
<b>Subfield Computer</b>	Science	(o-10 E	CTS credi	its)								
10-I-ST-152-m01	Softwa	re Tech	nology									
	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course			` 1/	+ Ü (2)							
	Method	d of ass	essment	If ann of on date)	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). creditable for bonus							
	Referre	d to in	LPO I		Nr. 1b Nr. 1b							

<b>Compulsory Elective</b>	ves Analysis (5 ECTS cree	lits)						
10-M-ANB1-222-	Analysis 1 for Economa	thematics						
mo1	ECTS 5 Duration							
	Courses	Ü (2)						
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each)						
		Language of assessment: German and/or English						
10-M-ANB2-222-	Analysis 2 for Economa							
mo1	ECTS 5 Duration							
	Courses	Ü (2)						
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises						
		each)						
		Language of assessment: German and/or English						
•	ves Linear Algebra (5 ECT							
10-M-LNB1-222-	Linear Algebra 1 for Eco							
mo1	ECTS 5 Duration							
	Courses	Ü (2)						
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each)						
		Language of assessment: German and/or English						
10-M-LNB2-222-	Linear Algebra 2 for Ec	onomathematics						
mo1	ECTS 5 Duration	n 1 semester Method of grading (not) successfully completed Modul level undergraduate						
	Courses	Ü (2)						
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises						
		each) Language of assessment: German and/or English						
Key Skills Area (20	ECTS cradits)	Language of assessment. German and/or English						
General Key Skills								
In addition to the r	nodules listed below, stu	idents may also take modules offered by JMU as part of the pool of general transferable skills (ASQ).						
General Key Skills								
10-M-Tu-	Exercise tutor or proof-	reading in Mathematics						
Ko-152-mo1	ECTS 5 Duration	n 1 semester Method of grading (not) successfully completed Modul level undergraduate						
	Courses	T (o)						
	Method of assessment	Assessment of tutoring activities or correcting work by supervising lecturers or exercise supervisors (1 to 2 teaching units or approx. 5 pieces of correcting work)						
	Additional Information	Please direct application to teaching coordinator Mathematics, he/she will select participants.						
	Referred to in LPO I	§ 22 II Nr. 3 f)						

10-M-VHB1-152-	E-Learn	ing and	d Blended	Learn	ing Mathematics 1			-			
mo1	ECTS	2	Duratio	า	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course	S		Ü (2) Cours	e type: eLearning, n	nostly Virtuelle Hochschule Bayern (vhb)	-				
	Method	d of ass	essment	project (web-based, 15 to 20 hours) Assessment offered: Once a year, winter semester							
10-M-VHB2-152-	E-Learning and Blended Learning Mathematics 2										
mo1	ECTS 2 Duratio			1	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course	S		Ü (2) Cours	e type: eLearning, n	nostly Virtuelle Hochschule Bayern (vhb)					
	Method of assessment				project (web-based, 15 to 20 hours) Assessment offered: Once a year, summer semester						
Subject-specific Ke	y Skills	(15 ECT	S credits)								
Subject-specific Ke	y Skills,	Compu	ılsory Cou	ırses (:	12 ECTS credits)						
10-M-GBM-152-	Basic Notions and Methods of Mathematical Reasoning										
mo1	ECTS 2 Duratio			n	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course	S		V (1) +	- Ü (1)						
	Method of assessment					German and/or English					
	Additio	nal Info	rmation	Addit	Additional information on module duration: block taught prior to the beginning of the lecture period.						
	Referred to in LPO I		LPO I	§ 22    Nr. 1 h) § 22    Nr. 2 f)							
10-M-ASM-152-	Reason	ing and	Writing	in Matl	nematics						
mo1	ECTS	2	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course			V (1) +	• • •						
	Method of assessment			project (10 to 20 pages) Language of assessment: German and/or English							
10-M-EPW-152-	Externa	al Intern	ship Bus	iness I	ness Mathematics						
mo1	ECTS	8	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course	S		Ü (2)							
	Method of assessment		report on practical course (10 to 20 pages) and oral presentation thereof (approx. 20 minutes) Language of assessment: German and/or English								

Subject-specific Ke	y Skills,	Compu	lsory Elec	ctives	(3 ECTS credits)						
10-M-COM-152-	Comput	ational	Mathem	atics							
mo1	ECTS	4	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses	j		V (1) +	- Ü (2)	•		•	•		
	Method	of asse	essment	project in the form of programming exercises (approx. 20 to 25 hours)							
				Assessment offered: Once a year, winter semester							
	5.6					: German and/or Eng	lish		_		
	Referred			§ 22 II Nr. 3 f)							
10-M-PRG-152-mo1			1			and other subjects		1			
		3	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses			P (2)							
	Method	of asse	essment				approx. 20 to 25 hours)				
						te a year, summer ser					
	Referred	to in I	PO I		nguage of assessment: German and/or English						
10-M-VHB-		Itary Quantitative Risk Assessment									
EQRA-222-mo1	ECTS		Duration		1 semester	Method of grading	(not) successfully completed	Modul level			
	Courses			Ü (2)	1 Semester	Method of glading	(110t) successibility completed	Modulitevel			
	Courses	)		` ′	e type: eLearning, r	nostly Virtuelle Hochs	schule Bavern (vhb)				
					le ťaught in: Englisl		, , ,				
	Method of assessment						b-based	•			
		,			Language of assessment: English						
12-Tut1-152-m01			ing Assis								
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			Ä (2)							
					n elaboration (appr	ox. 15 to 25 pages) ar	nd presentation (approx. 90 mi	nutes), weighte	d 1:1		
12-Tut2-152-m01	Student	Teach	ing Assis	tant 2							
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	;		Ä (2)							
	Method	Method of assessment   written elaboration (approx. 15 to 25 pages) and presentation (approx. 90 minutes), weighted 1:1									
12-WA-212-m01	Introduc	ction to	Scientifi	c Worl	c Work						
	ECTS	3	Duration	<u> </u>	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses	5		S (2)							
	Method of assessment			Written elaboration (approx. 5 pages)							
				Langu	age of assessment	: German and/or Eng	lish				

12-EinC-	Semina	r: Cross	-Cultural	Mana	gement 1 - Introduct	tion to Cross-Cultura	l Management				
CM-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5	•	S (2)	5 (2)						
	Method	l of asse	essment	weigh prox.	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 2:1 or c) presentation (approx. 45 minutes) and term paper (approx. 10 pages), weighted 1:1 or d) term paper (approx. 20 pages)  Language of assessment: German and/or English						
		ants an of place:		all ap	plicants irrespective	e of their subjects. (2)	Places on all courses of the m	odule with a res	ces will be allocated by lot among stricted number of places will be d by lot as they become available.		
12-VerC-	Cross-C	ultural	Manager	nent 2	- Leading Across Cu	ıltures					
CM-152-m01	ECTS	5	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		S (2)	,			,			
	Participants and allocation of places			weigh prox. Langu 20 pla all ap alloca	ted 2:1 or c) present 20 pages) lage of assessment: aces. (1) Should the plicants irrespective tted in the same pro	tation (approx. 45 mi German and/or Eng number of application of their subjects. (2)	ish ns exceed the number of avail Places on all courses of the m	. 10 pages), wei able places, pla odule with a res	ghted 1:1 or d) term paper (apaces will be allocated by lot among stricted number of places will be d by lot as they become available.		
12-IBL-SG-212-m01	China:	China: Business location and trading partner									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		S (2)							
	Method of assessment			b) ter c) pre	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 2:1 or c) presentation (approx. 45 minutes) and term paper (approx. 10 pages), weighted 1:1 or d) term paper (approx. 20 pages)						
	Participants and allo- cation of places			cants (2) Pla	irrespective of their aces on all courses o	subjects. of the module with a	the number of available places restricted number of places wil s re-allocated by lot as they bed	l be allocated in			

12-WSI-212-m01	India: E		s location	and t	rading partner							
	ECTS	5	Duratio	ก	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S	•	S (2)				•				
	Method	of ass	essment		a) written examination (approx. 60 minutes) or							
				b) ter	b) term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 2:1 or							
				d) ter	c) presentation (approx. 45 minutes) and term paper (approx. 10 pages), weighted 1:1 or d) term paper (approx. 20 pages)							
	Particip cation o			all ap	plicants irrespecti	ive of their subjects. (2	2) Places on all courses of the	module with a res	aces will be allocated by lot among stricted number of places will be d by lot as they become available.			
12-IKG-152-m01	Intercu	ltural B	usiness C	ompe	tence							
	ECTS	5	Duration	ก	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S		S (2)								
	Method of assessment			weigh	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 2:1 or c) presentation (approx. 45 minutes) and term paper (approx. 10 pages), weighted 1:1 or d) term paper (approx. 20 pages)							
	Particip cation o			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-IM1-152-m01	Intercultural Management 1											
	ECTS	5	Duration	ก	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S		S (2)								
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 2:1 or c) presentation (approx. 45 minutes) and term paper (approx. 10 pages), weighted 1:1 or d) term paper (approx. 20 pages)								
		Participants and allocation of places			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-IM2-152-m01	Intercu	ltural <i>N</i>	lanageme	nt 2								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S		S (2)				,				
	Method of assessment				a) term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 2:1 or b) presentation (approx. 45 minutes) and term paper (approx. 10 pages), weighted 1:1 or c) term paper (approx. 20 pages)							
	Participants and allo- cation of places		10 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-EinGS-152-m01	Global	Systen	ns and Inte	ercultu	ral Competences	- Economic Aspects	of Globalization. An I	ntroduction			
	ECTS	5	Duration	n .	1 semester	Method of gradi	ng numerical grade		Modul level	undergraduate	
	Course	S		S (2)					-		
	Method	d of ass	essment	weigh						tation (approx. 15 minutes), ighted 1:1 or d) term paper (ap-	
	Particip cation		nd allo- es	all ap	places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot am I applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be located in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become availab						
12-VerGS-152-m01	Global	Systen	ns and Inte	ercultu	ral Competences	- Economic Aspects	of Globalization - Adv	vanced Level			
	ECTS	5	Duration	า	1 semester	Method of gradi	ng numerical grade		Modul level	undergraduate	
	Course	S		S (2)	-						
	Method	d of ass	essment				entation (approx. 15 m ed 1:1 or c) term paper			presentation (approx. 45 minutes)	
	Participants and allo- cation of places			all ap	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 located in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.						
12-WUE-152-m01	Economic and Business Ethics										
	ECTS	5	Duration		1 semester	Method of gradi	ng numerical grade		Modul level	undergraduate	
	Courses			S (2)	•						
	Method	d of ass	essment		a) written examination (approx. 60 minutes) or b) presentation (approx. 20 minutes) and written elaboration (approx. 15 to 20 pages), weighted 1:2						
12-WPM-192-m01	Securit	ecurities Management									
	ECTS	5	Duration	<u> </u>	1 semester	Method of gradi	ng (not) successfully	completed	Modul level	undergraduate	
	Course	S	,	S (4)		•			•		
	Method	d of ass	essment	Prese	Presentation (approx. 60 minutes)						
	Participants and allo- cation of places			(1) Sh cants (2) Pla	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-DAT-152-m01	DATEV	- Introd	luction to	DATEV	-Software for Tax	Accounting			'		
	ECTS	3	Duration	1	1 semester	Method of gradi	ng (not) successfully	completed	Modul level	undergraduate	
	Course	S		V (2)			- 1	<u> </u>			
	Method	d of ass	essment	writte	n examination (a	pprox. 60 minutes)			,		
	Participants and allo- cation of places			10 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-SAP-152-m01	SAP ER	SAP ERP Human Capital Management												
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	S	•	V (2)		•		•	•					
	Method	l of ass	essment	writte	en examination (ap	prox. 60 minutes)								
	Particip cation o			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-MPS-232-m01	Manage	erial Pr	oblem So	olving										
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	5			+ Ü (2) ıle taught in: Englis	sh								
	Method	l of ass	essment	b) ora c) poi Langi			r							
	Particip cation o			all ap	40 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-P&Ocase-F-152-	Management Case Studies													
mo1	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses			S (2)										
	Method	l of ass	essment	written elaboration (approx. 5 to 10 pages) and presentation (approx. 20 to 30 minutes), weighted 1:1 Language of assessment: German and/or English										
	Particip cation o			all ap	plicants irrespecti	e of their subjects. (2	) Places on all courses (	of 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-MIU-152-m01	Managi	ing inte	ractive - I	Busine	ss Simulation Gan	ne								
	ECTS	5	Duration		1 semester	Method of grading	(not) successfully com	npleted   Modul level	undergraduate					
	Courses		,	S (2)	=									
	Method	l of ass	essment	prese	entation (approx. 10		2:1 or d) presentation (a		aper (approx. 10 to 15 pages) and s) or e) project (approx. 20 hours)					
	Participants and allocation of places			all ap	plicants irrespecti	ve of their subjects. (2	) Places on all courses (	of 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-CC-KPBK-222-	Career planning and professional skills for students of Business and Economics											
mo1	ECTS 5 Duration			1 semester Method of grading numerical grade		Modul level						
	Courses			S (4)	5 (4)							
	Method	of asse	essment	a) Written examination (approx. 60 minutes) or b) Term paper (approx. 15 pages) or c) Term paper (10 to 15 pages) and presentation (approx. 10 minutes); (weighted 2:1) or d) oral examination (approx. 20 minutes) or e) Portfolio (approx. 50-75 hours)								
	Participants and allo- cation of places			15 places, WB5 Should the number of applications exceed the number of available places, places will be allocated as follows: (1) Places will be allocated according to the number of subject semesters independet of subject. Among applicants with the same number of subject semesters, places will be allocated by lot. (2) A waiting list will be maintained and places re-allocated as they become available.								
12-GM1-212-m01	General Management 1											
	ECTS 5 Duration			1	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate			
	Courses			V (2)	+ Ü (2)							
	Method	of asse	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or c) oral examination (approx. 20 minutes)								
12-GM2-212-m01	General Management 2											
	ECTS	5	Duration	1	1 semester	Method of gradin	g (not) successfully co	mpleted   Modul level	undergraduate			
	Courses			V (2) + Ü (2)								
	Method	of asse	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or c) oral examination (approx. 20 minutes)								
12-GM3-212-m01	General Management 3											
	ECTS 3 Duration			1	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate			
	Courses		•	V (2)	+ Ü (2)		•	-				
	Method	of asse	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or c) oral examination (approx. 20 minutes)								
12-GM4-212-m01	General Management 4											
	ECTS	3	Duration	l	1 semester	Method of gradin	g (not) successfully co	mpleted Modul level	undergraduate			
	Courses			V (2)	+ Ü (2)							
	Method	of asse	essment	b) ter			or resentation (approx. 20	minutes), weighted 2:1	or			

12-IK-232-m01	Training of Intercultural Competences											
	ECTS	ECTS 5 Duration		1	1 semester	Method of grading	numerical grade	Modul level				
	Courses			S (2)								
	Method of assessment			a) term paper (5-10 pages) and presentation (15-30 minutes) or b) term paper (10-15 pages) or c) written examination (approx. 60 minutes) or d) portfolio (approx. 30 hours) or e) oral examination in groups of up to 3 candidates (approx. 30 minutes per candidate)								
Thesis Area (10 ECTS credits) Students may write their theses in Mathematik (Mathematics), Wirtschaftsmathematik (Mathematics for Economics) or Informatik (Computer Science) or may write an interdisciplinary thesis within these three subjects.												
10-M-BAW-152-	Thesis Economathematics											
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	·S		No courses assigned to module								
	Method	d of ass	essment	Bachelor's thesis (approx. 275 to 330 hours)								
	other p	rerequi	sites	The supervisor may make the successful completion of certain modules that are relevant for the respective topic a prerequisite for the assignment of the topic.								
	Additional Information			Time to complete: 10 weeks.								