

## **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		1								
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be sp	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	s (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				+ V (4) + Ü (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 E	for Economathematics							
mo1	ECTS 13 Duratio				2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				+ V (4) + Ü (2)							
	Method of assessment  Stochastics 1 for Econo			Asses Langi	ral examination of one candidate each (20 to 40 minutes) ssessment will have reference to the contents of modules 10-M-LNB1 and 10-M-LNB2. anguage of assessment: German and/or English							
10-M-STB1-152-			or Econoi	mathe	matics							
mo1	ECTS :	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				+ 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) 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	Introduction to Stochastic Financial Mathematics											
	ECTS	9	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (4)	V (4) + Ü (2)							
	Method	of asse	essment	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							
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)			<del>-</del>				
	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 e	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		5 ECTS credits)						
12-BPL-G-212-m01						i					
	ECTS 4		Duratio	on 1 semester		Method of grading   numerical grade	Modul level	undergraduate			
	Courses		I.	V (2) -	+ T (2)	1 9	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		n examination (ap						
	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-	Macroec	onomi	CS 1				,				
mo1	ECTS 4	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		,	V (2) -	+ T (2)		•				
	Method	of asse	essment		n examination (ap	prox. 6o minutes) t: German and/or English					
12-Mak2-G-212-	Macroec	onomi	CS 2	Lange	age of assessmen	t. German ana/or English	,				
mo1	ECTS 4		Duration	n	1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Courses		J	V (2) -	+ T (2)	<u> </u>					
	Method	of asse	essment		n examination (ap	prox. 60 minutes)		-			
				Langu	age of assessmen	t: German and/or English					
12-Mik1-G-212-	Microeco	onomic	:S 1								
mo1	ECTS 4	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 o3-l	Feb-2024 • exam. reg. data	record 82 276 - - H 2023 page 4 / 39			

12-Risk-152-m01	Econom	Economic Principles of Risk Management										
	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	sen) or b) oral examir	nation of	one candidate each (15 to 30 mi-			
			nutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)  Language of assessment: German and/or English									
					table for bonus	,						
10-M-STB2-152-	Stochas	stics 2	for Econo	mathe	matics							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modu	ıl level	undergraduate			
	Courses			V (4)	+ Ü (2)							
	Method	l of ass	essment		a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 mi-							
					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	ion 1 semester Method of grading numerical grade Modul level undergraduate								
		thod of assessment   a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes).						one candidate each (ar to ac mi				
	Methou	01 a55	COSINCIIL	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-FAB-152-m01	Introdu	ction to	Function	al Ana	llysis for Economath	nematics			,			
		10	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (4)	+ Ü (2)		-	•	-			
	Method	d of ass	essment	nutes	) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 miutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) anguage of assessment: German and/or English reditable for bonus							
10-M-OML-222-	Optimi	zation f	or Machin	ie Lea	rning	-						
mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	-1		/ (4) + Ü (2)  Module taught in: German and/or English							
	Method	d of ass	essment	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) anguage of assessment: German and/or English assessment offered: Only when announced in the semester in which the courses are offered and in the subsequent semester editable for bonus							
10-M-ASL-222-m01	Applied	Stoch	astics Lab	)	,							
	ECTS	6	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (2)	+ P (2)			•				
	Method	d of ass	essment	Langi	project work (30 to 60 hours) Language of assessment: German and/or English creditable for bonus							
10-M-MNL-222-	Machin	e Learr	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	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	•	V (2)	+ T (2)							
	Method of assessment			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		·				
	Method of assessment  Seminar: Marketing			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	r: Marl	ceting									
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			S (2) Modu	(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 Language of assessment: German and/or English							
12-INMA-211-m01	Interna	tional I	Marketing									
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S			+ Ü (2) ıle taught in: Gern	nan 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	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	S		V (2) + Ü (2) Module taught in: English								
	Method of assessment			a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) Language of assessment: 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	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	n 1 semester	Method of grading numerical grade	Modul level								
	Courses	V (2) + Ü (2) Module taught in: Gern	nan 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 Assessment offered: yearly, to be announced creditable for bonus										
	Participants and allocation of places	cants irrespective of th (2) Places on all course	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.									
	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	,	Method of grading   numerical grade	Modul level								
	Courses	V (2) + Ü (2)										
		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	n 1 semester	Method of grading numerical grade	Modul level								
	Courses	V (2) + Ü (2)										
	Method of assessment	b) Term paper (approx. c) Term paper (10 to 15	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-mo1	Digital Science 3											
	ECTS 5 Duration	n 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 <b>4</b>					,				
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level				
	Course	S		S (2)				•				
	Method	d of ass	essment	b) Te	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 Innovation Management											
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S			+ Ü (2) ıle taught in: Germ	nan and/or English						
	Method	d of ass	essment	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	Entrepreneurship											
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S			V (2) + Ü (2) Module taught in: German and/or English							
	Method	d of ass	essment	<ul> <li>a) written examination (approx. 60 minutes) or</li> <li>b) term paper (as individual or group work; approx. 10 pages per person) or</li> <li>c) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> </ul>								
12-RES-211-m01	Seminar: Research Seminar											
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2) Module taught in: German and/or English								
	Method	Method of assessment			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 and allocation of places			15 places. 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 allo- cation 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	ness 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								
	Participants and allocation of places				plicants who have a sare 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	Sem	Seminar: Logistics & Supply Chain Management												
	ECT:	S 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Cou	rses	·	S (2)		•								
	Met	hod of	assessmen			ox. 10 to 15 pages) ar German and/or Engl	nd presentation (approx. 10 i lish	minutes), (weighte	ed 2:1)					
		icipan on of p	ts and allo- places	Shou who locat ted a	co places. 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 alcocated in accordance with (1) and the number of applications exceeds the number of available places, places will be allocated by 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-	Mic	roecor	omics 2			'								
mo1	ECT:	S 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Cou	rses		V (2)	+ T (2)									
	Met	hod of	assessmen		vritten examination (approx. 60 minutes) Language of assessment: German and/or English									
12-S&W1-F-212-	Gan	nes an	d Strategies	1										
mo1	ECTS 5 Duratio			on	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses				V (2) + Ü (2) Module taught in: German and/or English									
	Met	hod of	assessmen		written examination (approx. 60 minutes) Language of assessment: German and/or English									
12-S&W2-F-212-	Com	petiti	on Policy											
mo1	ECT:	S 5	Durat		1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Cou	rses			V (3) + Ü (2) Module taught in: German and/or English									
	Met	hod of	assessmen	b) te	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-	Eco	nomics	s of Regulat	on				,						
mo1	ECT:	S 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Cou	rses			V (2) + Ü (2) Module taught in: German and/or English									
	Met	hod of	assessmen	b) te	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-	Seminar: Competition and Strategy												
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	of asse	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	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-IIO-212-m01	Industr	ial Orga	anization					,					
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5			2) + Ü (2) dule taught in: German and/or English								
	Method	of asse	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-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 asse	essment	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			V (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 allocation 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	Forwar	orward 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 allo- cation 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 name 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; g 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 Er	gineeri	ng										
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course		_	V (2) ·									
	Method of assessment			b) ora minut c) cor	) written examination (approx. 60 minutes) or ) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 ninutes) or ) completion of programming exercises (approx. 20 hours) and written examination (approx. 60 minutes), weighted 1:1 anguage of assessment: German and/or English								
12-EBP-152-m01	E-Busii	ness Pro	ject	•									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			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 minues)  es)  anguage of assessment: German and/or English								
12-BIF-211-m01	Busine	Business Intelligence											
	ECTS 5 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	S		V (2) ·	$V(2) + \ddot{U}(2)$								
	Method of assessment			b) Ter c) Ter d) ent	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	Progra	mming	or Manag	gemen	t Students								
	ECTS	5	Duration	1	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) 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	Duration	1	semester	Method of grading	numerical grade		Modul level				
	Courses	S			V (2) + Ü (2) Module taught in: German and/or English								
				b) Term c) Term (d) oral e e) Portfo Languag creditab	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-DDDP-232-m01	Data Dr	iven De	cisions in	Practice	•								
	ECTS	5	Duration	1	semester	Method of grading	numerical grade		Modul level				
	Courses			Module	2) + Ü (2) dule taught in: German and/or English								
	Method	l of asse		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-GPM-232-m01	Business Process Management												
	ECTS	5	Duration	n 1 semester Method of grading numerical grade				Modul level					
	Courses	S		V (2) + Ü (2) Module taught in: German and/or English									
	Method	l of asse		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-PDS-211-m01	Primer	in Data	Science										
	ECTS	5	Duration	n 1 semester Method of grading numerical grade Modul level undergra						undergraduate			
	Courses	s 		V (2) + Ü (2) Module taught in: German and/or English									
	Method	l of asse		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 creditable for bonus									

12-BSINI-212-m01	Busine	ss Strat	egy for In	forma	tion and Network Ir	ndustries						
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S			V (2) + Ü (2) Module taught in: German and/or English							
	Method of assessment			b) ter	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				1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			P (2) Modu	le taught in: Germa	nn and/or English						
	Method	d of ass	essment			orox. 60 minutes) an :: German and/or Eng	d exercises (approx. 10 pages) glish	, (weighted 1:1)				
	Particip cation o			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 acated 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	Practic	actice of Data Analysis										
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (2) -	+ Ü (2)							
	Method	l of ass	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	Compu	terlab -	Applied E	ed Econometrics								
	ECTS	5	Duration	n								
	Course	S		P (2)		•		•				
	Method	d of ass	essment			approx. 60 minutes) o pages) and presen	or tation (approx. 20 minutes), w	eighted 2:1				
	Particip cation o			all ap	plicants irrespectiv	e of their subjects. (	2) Places on all courses of the	module with a re-	ices will be allocated by lot among stricted number of places will be d by lot as they become available.			
12-QWF-FS-212-	Semina	r: Econ	ometrics									
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2)								
	Method	of ass	essment	<u> </u>	term paper (approx. 15 pages) and presentation (approx. 25 minutes), (weighted 2:1)							
	Participants and allo- cation of places			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 Ac	counting										
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) -	$V(2) + \Gamma(2)$								
	Method of ass	essment		written examination (approx. 60 minutes)								
		<u>.                                    </u>	Langu	Language of assessment: German and/or English								
12-Wipr1-F-212-	Financial Acco			Y	1							
mo1	ECTS 5 Duration			1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) +									
	Method of ass	essment			oprox. 60 minutes) o	r						
				m paper (approx. 10	German and/or Engl	ish						
12-Wipr2-F-232-	International A	Accountin		age of assessment.	German ana/or Engl	1311						
mo1	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) +	ı + Ü (2)		<u> </u>	l	·				
				le taught in: English								
	Method of ass	essment	a) written examination (approx. 60 minutes) or									
				m paper (approx. 10								
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Language of assessment: English Financial Statement Analysis and Valuation											
12-Wipr3-F-212- mo1				1	AA (1   C   !)	• 1 1	[ NA   1   1   1					
11101	ECTS 5 Duration			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	essment	a) written examination (approx. 60 minutes) or									
				b) term paper (approx. 10 pages)								
12-Wipr-FS-212-	Seminar: Finar	sial Asso		Language of assessment: German and/or English								
mo1		Duratio		1	Method of grading	numorical grado	Modul level	undergraduate				
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Method of ass	occmont		S (2) term paper (approx. 15 pages) and presentation (approx. 20 minutes), weighted 2:1								
		,	Langu	age of assessment:	German and/or Engl	ish		_				
	Participants ar cation of place							ces will be allocated by lot among				
	cation of place	.5		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	<b>Decision Theo</b>	ry										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) -	+ Ü (2)			•					
	Method of ass	essment	Written examination (approx. 60 minutes)									
							1					

12-I&F-FS-212-m01	Semina	Seminar: Investment and Finance											
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S	'	S (2)	•	•	•	•	•				
	Method	of ass	essment	term	paper (approx. 15 pa	ages) and oral exami	nation (approx. 25 minut	es), (weighted 3:2)					
	Particip cation o			(1) Sh cants (2) Pl	5 places. 1) Should the number of applications exceed the number of available places, places will be allocated by lot among all appliants 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-ERM-211-m01	Introdu	ction to	Risk Ma	nagem	ent								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S		V (2)	+ Ü (2)			·					
	Method	of ass	essment	writte	n examination (app	rox. 60 minutes)							
12-UBW-F-152-m01	Busines	ss Valuation between Financial Mathematics and Data on Capital Market											
	ECTS	5 Duration		า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S		V (2)	(2) + Ü (2)								
	Method	l of ass	essment	writte	n examination (app	rox. 60 minutes)							
12-ExtUR-G-212-	Accoun	ting											
mo1	ECTS	ΓS 5 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		_	` ´	T(2) + T(2)								
	Method	l of asso	essment		written examination (approx. 60 minutes) Language of assessment: German and/or English								
12-St1-F-232-m01	Busines	ss Taxa	tion 1: An	An Introduction to Tax Law & Tax Planning									
	ECTS	5	Duratio	n n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S			+ Ü (2) le taught in: Germa	n and/or English							
	Method	l of asso	essment	Langu	n examination (app lage of assessment able for bonus	rox. 60 minutes) : German and/or Eng	lish						
12-St2-F-152-m01	Busines	ss Taxa	tion 2: Th	e Taxa	tion of Income in G	ermany							
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			V (2) + Ü (2)									
	Method of assessment			written examination (approx. 60 minutes) creditable for bonus									

12-St3-F-152-m01	Business	Taxation 3: In	troduction to VAT		,						
	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses		V (2) + Ü (2)	·	•						
	Method o	of assessment	a) written examination (approx. 60 minutes) or b) oral examination (one candidate each: approx. 10 to 15 minutes, groups of								
			2: approx. 20 minutes, groups of 3: approx. 30 minutes)								
12 CtAD V 212 m21	Calaatad	creditable for bonus  lected Topics in Business Taxation									
12-5(AP-V-212-III01				Mathad of avading humavical avada	Modul level	un do verro du ete					
	ECTS 5	Duratio	n 1 semester V (2) + Ü (2)	Method of grading   numerical grade	Modul level	undergraduate					
		of accoccment		(approx 60 minutes) or							
	Method	or assessment	b) term paper (approx. c) c) oral examination i	written examination (approx. 60 minutes) or 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) aguage of assessment: German and/or English							
12-StAP-S-212-m01	Seminar	Business Taxa									
	ECTS 5	5 5 Duration 1 semester Method of grading numerical grade Modul level undergraduat									
	Courses		S (2)	, ,							
			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) 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								
	cation of		20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot amon all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available								
12-KR-152-m01		ial Accounting	cost-based decision-m								
	ECTS 5	Duratio		Method of grading numerical grade	Modul level	undergraduate					
	Courses		V (2) + Ü (2)								
			written examination (a	pprox. 60 minutes)							
12-VeCo-212-mo1	Sales Ac	counting & Ma	nagement								
	ECTS 5	Duratio		1 semester Method of grading numerical grade Modul level underg							
	Courses		V (2)								
	Method o	of assessment	written examination (approx. 60 minutes)								
	Participa cation of	nts and allo- 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: Mai	nagerial Ad	counti	ng		,						
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	e Modul l	evel	undergraduate				
j	Courses	•	S (2)			•						
	Method of as	sessment	term	paper (approx. 12 p	pages) and presentation (approx. 20 m	inutes), (weighted 2:1)						
12-EuGP-F-212-	Monetary Pol	licy and Fir	ancial	Markets								
mo1	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	e Modul le	evel	undergraduate				
	Courses			V (2) + Ü (2) Module taught in: German and/or English								
	Method of as	sessment		n examination (ap uage of assessmen	prox. 60 minutes) t: German and/or English							
12-IFM-212-m01	International	Money & I	Finance	e		,						
	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	e Modul le	evel	undergraduate				
	Courses			+ Ü (2) ıle taught in: Germa	an and/or English							
	Method of as	sessment		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 numerical grade	e Modul le	evel	undergraduate				
	Courses		S (2) Modu	lle taught in: Germa	an and/or English							
	Method of as	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: Eco	nomic Poli	су	·								
mo1	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	e Modul l	evel	undergraduate				
	Courses		S (2) Modu	lle taught in: Germa	an and/or English							
	Method of as	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 numerical grade	e Modul l	evel	undergraduate				
	Courses		S (2)		·	<u> </u>						
	Method of as	sessment	term	paper (approx. 15 p	pages) and presentation (approx. 25 mi	nutes), weighted 2:1						

12-Konj1-F-212-	Business	Business Cycle Analysis												
mo1	ECTS 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Courses	'	V (2)	+ Ü (2)	•			·						
	Method o	f assessmen	b) ter	a) written examination (approx. 60 minutes) or 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:	Seminar: Business cycles, corporate finance and asset markets												
	ECTS 5 Duratio		on	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Courses	,	S (2)				*							
	Method o	f assessmen	t term	paper (approx. 15 pa	iges) and presentatio	on (approx. 25 minutes), we	ighted 2:1							
12-EM-211-m01	European	Macroecono	mics											
	ECTS 5	Durat	on	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Courses		V (2)											
	Method o	f assessmen	(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 Re	esource Man	agemen	t										
	ECTS 5	Durat	on	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-	Seminar:	Human Reso	urce Ma	ce Management & Organizational Theory										
mo1	ECTS 5	Durat		1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Courses		S (2)											
	Method o	f assessmen		term paper (approx. 15 pages) and presentation (approx. 20 minutes), (weighted 1:1) Language of assessment: German and/or English										
	Participar cation of	nts and allo- places	all ap	15 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot amonall 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	Internatio	nal Econom	cs				,							
	ECTS 5 Duratio		on	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Courses	·	V (2)	V (2) + Ü (2)										
	Method o	f assessmen												

12-IntÖk-FS-152-	Semi	nar: Interi	national I	Econon	nics								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Cours	es	•	S (2)	5 (2)								
	Metho	od of asse	essment		term paper (approx. 15 pages) and presentation (approx. 30 minutes), weighted 3:1 Language of assessment: German and/or English								
		ipants an n of place		all ap	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-ARS-152-m01	Appli	ed Regior	al and U	rban E	conomics			,					
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Cours	es	•	V (2) ·	+ Ü (2)	•		•					
	Metho	od of asse	essment	didate	a) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) including empirical analysis prepared by candidates  Language of assessment: German and/or English								
12-WiPo-G-212-	Public	c Policy											
mo1	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			V (2) · Modu	+ T (2) lle taught in: Germar	n and/or English							
	Metho	od of asse	essment	b) poi	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	Labou	ır Econom	ics										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Cours	ses			V (2) + Ü (2) Module taught in: German and/or English								
	Metho	od of asse	essment	a) written examination (approx. 60 minutes) or b) portfolio (approx. 20 pages) Language of assessment: German and/or English									
12-LES-211-m01	Semi	nar: Labo	ur Econoi	mics				'					
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Cours	ses		S (2) Modu	S (2) Module taught in: German and/or English								
	Metho	od of asse	essment	Term paper (approx. 15 pages) and presentation (approx. 15 minutes), weighted 3:2 Language of assessment: German and/or English									

12-EVÖ-232-m01	Semina	r: Empi	irical Psyc	holog	y and Economics								
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level					
	Courses	S		S (2)				,					
					le taught in: Germa		,						
	Method	d of ass	essment		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	Econo	metrics a	nd Dat	d Data Science in Business and Economics								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level					
	Courses				/ (2) + Ü (2) Module taught in: English								
	Method	hod of assessment			n examination (appuage of assessment	orox. 60 minutes) : German and/or Eng	glish						
12-lÖ-152-m01	Econom	nics of I	nformatio	n									
	ECTS 5 Duration			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses												
		d of assessment   written examination (approx. 60 minutes)											
12-IAO-212-m01		r: Decis			Incentive Design		_						
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			S (2) Modu	ıle taught in: Germa	n and/or English							
	Method	d 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	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S		V (2)	+ Ü (2)								
	Method	of ass	essment		olio (approx. 20 pag uage of assessment	es) : German and/or Eng	glish						
12-CWK-192-m01	Crossm	edia St	orytelling	g in Bu	siness Communicat	tion							
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S		S (2)									
	Method of assessment				olio (approx. 20 pag uage of assessment	ges) : German and/or Eng	glish						
	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	Semina	ır: Busiı	ness Jour	nalism	and Business Comn	nunication					
	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. 10 to 15 pages) and presentation (approx. 15 minutes); (weighted 1:1) Language of assessment: German and/or English						
12-VGP-192-m01	Manag	erial Pra	actice Lec	tures							
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			S (2)							
	Method of assessment					es) German and/or Engl	ish				
12-VWP-211-m01	Econon	nist Pra	ctice Lect	ures							
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		S (2)							
	Method of assessment			2:1) 0	oral examination (approx 30 minutes) or b) term paper (approx. 10 pages) and presentation (approx. 15 minutes); (weighted 1:1) or c) written examination (approx. 60 minutes) anguage of assessment: German and/or English						
12-CCER-212-m01	Challer	Challenges of China's Economic Rise									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2)							
	Method of assessment				a) written examination (approx. 60 minutes) or b) term paper (approx. 15 to 20 pages) and presentation (approx. 10 to 15 minutes), (weighted 2:1)						
	Participants and allo- cation of places			20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.							
12-APW1-212-m01	Selecte	ed Topic	s of Busi	ness M	anagement and Eco	nomics 1					
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2) ·	+ Ü (2)						
	Method	Method of assessment writer			written examination (approx. 60 minutes) or erm paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or or oral examination (approx. 20 minutes)						
12-APW2-212-m01	Selecte	ed Topic	s of Busi	ness M	anagement and Eco	nomics 2					
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (2) ·	+ Ü (2)						
	Method of assessment			written examination (approx. 60 minutes) or term paper (approx. 10 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or oral examination (approx. 20 minutes)							

12-SC-232-m01	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		V (2) + Ü (2) Module taught in: Ger	man and/or English						
	Method of as	sessment		itten examination (approx. 60 minutes) nguage of assessment: German and/or English editable for bonus						
12-DD-	Data-Driven S	riven Supply Chain Management								
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 Management							
	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	ement 8	& Digital 1	ransf	ormation						
	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	written examination (approx. 60 minutes) or oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) anguage of assessment: German and/or English editable for bonus						
12-Wise-FS-232-	Semina	r: Infor	mation Systems and Engineering								
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 assessment			Langı	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	/stems	stems 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							
	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	Simulat	ion for De	cision N	Making						
	ECTS	5 D	uration	1 semester	Method of grading numerical grade	Modul level				
	Courses	;		V (2) + Ü (2) Module taught in: Gerr	nan and/or English					
	Method	of assess	1	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-m01	Geospat	tial Data A	nalytic	s & Smart Cities						
	ECTS	5 D	uration	1 semester	Method of grading numerical grade	Modul level				
	Courses	5		V (2) + Ü (2) Module taught in: Gerr	nan and/or English					
	Method	of assess		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-DDD-232-m01	Data-Dri	iven Decis	ions in							
	ECTS	5 D	uration	1 semester	Method of grading   numerical grade	Modul level				
	Courses	;		V (2) + Ü (2) Module taught in: Gerr	nan and/or English					
	Method	of assess	1	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	ience and	Applied	l Econometrics in Busi	ness and Economics					
	ECTS	5 D	uration	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	term paper (10-15 pages) and presentation (approx. 20 minutes); weighted 2:1 Language of assessment: German and/or English							
12-BEE-232-m01	Behavi	oral an	d Experim	ental I	conomics	<del>-</del>		1				
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level				
	Courses				+ Ü (2) Ile taught in: Germa	n and/or English		,	_			
	Method	d of ass	essment	b) ter c) ter d) ora	written examination (approx. 60 minutes) or term paper (15 to 20 pages) or term paper (15 to 15 pages) and presentation (approx. 20 minutes), weighted 2:1 or oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) anguage of assessment: German and/or English							
12-GAE-232-m01	Globali	zation	and the E	nviron	vironment							
	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	b) ter c) ter d) po	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							
	Referred 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								
		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-		Algebra 1 for Economathematics							
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	ning and	d Blended	Learni	ng Mathematics 1						
mo1	ECTS	2	Duratio	n	1 semester	Method of grading (not) successfully completed   M	Nodul level	undergraduate			
	Course	S	'	Ü (2) Cours	e type: eLearning,	mostly Virtuelle Hochschule Bayern (vhb)		•			
	Method of assessment				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 semester	Method of grading (not) successfully completed M	Nodul level	undergraduate			
	Course	S		Ü (2) Cours	e type: eLearning,	mostly Virtuelle Hochschule Bayern (vhb)					
	Method of assessment				oroject (web-based, 15 to 20 hours) Assessment offered: Once a year, summer semester						
Subject-specific K	ey Skills	(15 ECT	S credits)	)							
Subject-specific K	ey Skills,	, Compi	ulsory Cou	ırses (1	2 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 M	Nodul level	undergraduate			
	Course	S	•	V (1) +	· Ü (1)			-			
	Method of assessment				project (10 to 15 pages) Language of assessment: German and/or English						
	Additio	nal Info	ormation	Additi	Additional information on module duration: block taught prior to the beginning of the lecture period.						
	Referred to in LPO I			§ 22    Nr. 1 h) § 22    Nr. 2 f)							
10-M-ASM-152-	Reason	ning and	d Writing	in Matl	nematics						
mo1	ECTS	2	Duratio	n	1 semester	Method of grading (not) successfully completed M	Nodul level	undergraduate			
	Course	S		V (1) +	· Ü (1)	·					
	Method of assessment				project (10 to 20 pages) Language of assessment: German and/or English						
10-M-EPW-152-	Externa	al Interi	nship Bus	iness N	ness Mathematics						
mo1	ECTS 8 Duratio			n	1 semester	Method of grading (not) successfully completed M	Nodul level	undergraduate			
	Courses			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, Co	mpulsory Ele	ctives (	(3 ECTS credits)							
10-M-COM-152-	Computati	ional Mathem	atics								
mo1	ECTS 4	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses	,	V (1) +	- Ü (2)			•				
	Method of	assessment		project in the form of programming exercises (approx. 20 to 25 hours)							
				Assessment offered: Once a year, winter semester Language of assessment: German and/or English							
					t: German and/or Engl	ısh		_			
	Referred to			I Nr. 3 f)							
10-M-PRG-152-mo1				ı	s and other subjects						
	ECTS 3	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses		P (2)		,		,				
	Method of	assessment	projec	ct in the form of pro	gramming exercises (	approx. 20 to 25 hours)					
					ce a year, summer sen						
	Pafarrad to	n in LPO I		guage of assessment: German and/or English							
10-M-VHB-	Referred to in LPO I § 22 II Nr. 3 f)  Elementary Quantitative Risk Assessment										
EQRA-222-mo1	ECTS 3	Duratio		1 semester	Mothod of grading	(not) successfully completed	Modul level				
	Courses	Duration	Ü (2)	1 Semester	Method of grading	(not) successibility completed	Modulitevel				
	Courses			e tyne: el earning	mostly Virtuelle Hochs	schule Bavern (vhb)					
				le taught in: Englis							
	Method of	assessment	writte	n examination (app	orox. 90 minutes); wel	o-based					
			Langu	Language of assessment: English							
12-Tut1-152-m01			aching Assistant 1								
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		Ä (2)								
	Method of	assessment	writte	n elaboration (app	rox. 15 to 25 pages) ar	id presentation (approx. 90 mi	nutes), weighte	d 1:1			
12-Tut2-152-m01	Student Te	eaching Assis	tant 2								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		Ä (2)				-				
	Method of	assessment	writte	n elaboration (app	rox. 15 to 25 pages) ar	ıd presentation (approx. 90 mi	nutes), weighte	d 1:1			
12-WA-212-m01	Introduction	on to Scientifi	c Work	<u> </u>	,						
	ECTS 3	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses		S (2)			•	•				
	Method of	assessment		n elaboration (app							
			Langu	Language of assessment: German and/or English							

12-EinC-	Semina	ar: Cros	s-Cultural	Mana	gement 1 - Introduc	ction to Cross-Cultural Management					
CM-152-m01	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	!S		S (2)	5 (2)						
	Method of assessment			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						
		pants ar of place		all ap	plicants irrespectiv	e number of applications exceed the number of avai re of their subjects. (2) Places on all courses of the n ocedure. (3) A waiting list will be maintained and pl	nodule with a res	stricted number of places will be			
12-VerC-	Cross-	Cultural	Manager	nent 2	- Leading Across C	ultures	'				
CM-152-m01	ECTS	5	Duration	<u> </u>	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	!S	ï	S (2)	-						
	Method of assessment			weigh prox. Langu	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						
	Participants and allocation of places			all ap	20 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.						
12-IBL-SG-212-m01	China: Business location and trading partner										
	ECTS	5	Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate			
	Course	!S		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			30 (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-WSI-212-m01	India: E	Busines	s location	and to	rading partner			1				
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	•	S (2)		•	•	•				
	Method	of ass	essment			approx. 60 minutes) c						
							ation (approx. 15 minutes), weig					
				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 (			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-IKG-152-m01	Intercu	ltural B	usiness C	ompet	tence							
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2)	,	•						
	Method	l of ass	essment	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)							
	Participants and allo- cation of places			all ap	30 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.							
12-IM1-152-m01	Intercu	ltural N	lanagement 1									
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2)	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)								
	Particip cation (			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-IM2-152-m01	Intercu	ltural <i>N</i>	lanageme	nt 2								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		S (2)	_	,						
	Method	d of ass	essment	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 Intro	oduction			
	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	vritten examination (approx. 60 minutes) or b) term paper (approx. 15 pages) and presentation (approx. 15 minutes), ghted 2:1 or c) presentation (approx. 45 minutes) and term paper (approx. 10 pages), weighted 1:1 or d) term paper (ap x. 20 pages)						
	Particip cation		nd allo- es	all ap	o places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among ll applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be llocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.						
12-VerGS-152-m01	Global	Systen	ns and Inte	ercultu	ral Competences	- Economic Aspects	of Globalization - Advan	ced Level			
	ECTS	5	Duration	า	1 semester	Method of gradi	ng numerical grade		Modul level	undergraduate	
	Course	S		S (2)					·		
	Method						ntation (approx. 15 minuted 1:1 or c) term paper (ap			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 amo applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be ocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become availab						
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		tten examinations), weighted 1:2	(approx. 60 minutes	s) or b) presentation (app	orox. 20 m	inutes) and wr	itten elaboration (approx. 15 to 20	
12-WPM-192-m01	Securit	ies Ma	nagement								
	ECTS	5	Duration	<u> </u>	1 semester	Method of gradi	ng (not) successfully co	mpleted	Modul level	undergraduate	
	Course	S	,	S (4)		•	•				
	Method	d of ass	essment	Prese	ntation (approx.	60 minutes)					
	Participants and allocation of places				to places.  1) Should the number of applications exceed the number of available places, places will be allocated by lot among all ants 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.					n the same procedure.	
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 co	mpleted	Modul level	undergraduate	
	Course	S		V (2)		<u> </u>	-	<u> </u>			
	Method	d of ass	essment	writte	n examination (a	pprox. 60 minutes)			1		
	Particip cation		nd allo-	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	lving	ring								
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5			+ Ü (2) ıle taught in: Engli	sh							
	Method	l of ass	essment	b) ora c) poi Langi	written examination (approx. 60 minutes) or oral examination (approx. 20 minutes) or portfolio (approx. 20 hours) nguage of assessment: English editable for bonus								
	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 lev	el					
	Courses			S (4)	5 (4)							
	Method	of asses	ssment	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 lev	el undergraduate			
	Courses			V (2) ·	+ Ü (2)							
	Method	of asses	ssment	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 4	5	Duration	1	1 semester	Method of gradin	g (not) successfully co	mpleted   Modul lev	el undergraduate			
	Courses			V (2) + Ü (2)								
	Method	of asses	ssment	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 lev	el undergraduate			
	Courses			V (2) ·	+ Ü (2)	•	•	•				
	Method	of asses	ssment	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	3	Duratior	1	1 semester	Method of gradin	g (not) successfully co	mpleted Modul lev	el undergraduate			
	Courses			V (2)	+ Ü (2)							
	Method	of asses	ssment	b) ter			or resentation (approx. 20	o minutes), weighted	2:1 Or			

12-IK-232-m01	Training of Intercultural Competences											
	ECTS	ECTS 5 Duration		ı	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 EC Students may writ terdisciplinary the	e their th	eses in			thematics), Wirtsch	aftsmathematik (Ma	thematics for Economics) or Info	ormatik (Compu	iter Science) or may write an in-			
10-M-BAW-152-	Thesis Economathematics											
m01	ECTS	10	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		No courses assigned to module								
	Method of assessment			Bachelor's thesis (approx. 275 to 330 hours)								
	other p	rerequis	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.								
	Additio	Additional Information			Time to complete: 10 weeks.							