



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: Institute of Mathematics Responsible: Faculty of Business Management and Economics Examination regulations version: 2008 Examination regulations version: 2008

Abbreviations used:	Course types: \mathbf{E} = field trip, \mathbf{K} = colloquium, \mathbf{O} = conversatorium, \mathbf{P} = placement/lab course, \mathbf{R} = project, \mathbf{S} = seminar, \mathbf{T} = tutorial, $\ddot{\mathbf{U}}$ = exercise, \mathbf{V} = lecture
	Term: SS = summer semester, WS = winter semester
	Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed
	Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = list of modules
	Other: $A = $ thesis, $LV = $ course(s), $PL = $ assessment(s), $TN = $ participants, $VL = $ prerequisite(s)
Conventions for the modules in this SFB:	Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre- ditable for bonus.
Information on assessment procedures:	Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me- 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:

ASP02007

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

28-May-2009 (2008-42)

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

Every module will be described using the following form:

Abbreviation	Module title										
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be sp	ecified in the form X	(y) with course type >	abbreviated as specified abo	ve and number of we	ekly contact hours y			
	Method of as	ssessme	ent								
	Only after su completion of		l if applica	fapplicable							
	Other prereq	uisites	if applica	if applicable							
	Participants on of places		ocati- if applica	if applicable							
	Additional in	formatio	on if applica	if applicable							
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teachin	g-degree programmes)					

Compulsory Course	ompulsory Courses (110 ECTS credits)										
Mathematics (50 E	lathematics (50 ECTS credits)										
10-M-EFM-082-	Introduction to Stochastic Financial Mathematics										
m01	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)			
	Method	d of asse	essment	a) writ tes) o	a) written examination (approx. 90 minutes; usually chosen) or b) oral examination of one candidate each (approx. 20 minu- tes) or c) oral examination in groups (groups of 2, approx. 30 minutes)						
10-M-PPM-082-	Propae	deutics	of Mathe	hematics							
m01	ECTS	2	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)			
	Method	d of asse	essment	project assignments (type and expenditure of time to be specified by the lecturer at the beginning of the course) Assessment offered: once a year, winter semester Language of assessment: German, English if agreed upon with the examiner							
	other p	rerequis	sites	Admis	sion prerequisite to	assessment: regular	attendance of courses (as spe	cified at the be	ginning of the course).		

10-M-ANA-082-	Analysis											
m01	ECTS	17	Duratio	n 2 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	es		 10-M-ANA-1-0 10-M-ANA-2-0 	 This module comprises 3 module components. Information on courses will be listed separately for each module component. 10-M-ANA-1-082: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-ANA-2-082: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-ANA-P-082: M (no information on SWS (weekly contact hours) and course language available) 							
	Metho	d of as	sessment	stated otherwise, su	ccessful completion of th	ne module will require s	successful completion of	s as specified below. Unless all individual assessments.				
				 8 ECTS, Methe a) written exa 20 minutes) of Language of a Other prerequ Assessment in mode 7 ECTS, Methe a) written exa 20 minutes) of Language of a Other prerequ ANA-1 is recon Assessment in mode 2 ECTS, Methe oral examinat Language of a Only after suc 	r c) oral examination in g assessment: German, Eng tisites: Modules 10-M-VK Jle component 10-M-ANA od of grading: (not) succe mination (approx. 90 mi or c) oral examination in g ussessment: German, Eng uisites: Modules 10-M-VF mmended for module cor Jle component 10-M-ANA od of grading: numerical ion of one candidate eac ussessment: German, Eng cessful completion of mod	essfully completed nutes; usually chosen) groups (groups of 2, ap glish if agreed upon wit M and 10-M-PPM are re - 2-082: Analysis 2 Ana- essfully completed nutes; usually chosen) groups (groups of 2, ap glish if agreed upon wit (M and 10-M-PPM are nponent 10-M-ANA-2. - P-082: Examination in grade h (approx. 30 minutes) glish if agreed upon wit dule components: Succ	o or b) oral examination o prox. 30 minutes) th the examiner ecommended. alysis 2 or b) oral examination o prox. 30 minutes) th the examiner recommended; in additi n Analysis th the examiner cessful completion of any o	f one candidate each (approx. f one candidate each (approx. on, module component 10-M- one of the module components module component 10-M-ANA-				
	other	prerequ	isites	By way of exception,	additional prerequisites	are listed in the section	on on assessments.					
	Referre	ed to in	LPO I	§ 73 (1) 1. Mathemat	ik Analysis							

10-M-LNA-082-	Linear Algebra												
mo1	ECTS	14	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	25		 This module comprises 3 module components. Information on courses will be listed separately for each module component. 10-M-LNA-1-082: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-LNA-2-082: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-LNA-P-082: M (no information on SWS (weekly contact hours) and course language available) 									
	Metho	d of ass	essment	Asses	ssment in this mo	dule comprises the ass	essments in the individua	l module component	ts as specified below. Unless f all individual assessments.				
				•	7 ECTS, Method written examina oral examinatio 30 minutes) Language of ass Other prerequis students about a declaration of assessment ove dents who mee assessment at a ssment in module 5 ECTS, Method written examina	of grading: (not) succe tion (approx. 90 minute n of one candidate eac sessment: German, Eng ites: Certain prerequisit the respective details will to seek admission er the course of the ser t all prerequisites will h a later date, students w component 10-M-LNA- of grading: (not) succe tion (approx. 90 minute	es); if announced by the lec in (approx. 20 minutes) or a lish if agreed upon with th es must be met to qualify f at the beginning of the con to assessment. If studen nester, the lecturer will pu be admitted to assessmen ill have to obtain the quali 2-082: Linear Algebra 2 Li ssfully completed es); if announced by the lec	turer, the written exa an oral examination e examiner or admission to asse urse. Registration for ts have obtained the ut their registration for t in the current or in fication for admissio near Algebra 2 turer, the written exa	mination can be replaced by an in groups (groups of 2, approx. ssment. The lecturer will inform r the course will be considered e qualification for admission to or assessment into effect. Stu- the subsequent semester. For in to assessment anew. mination can be replaced by an in groups (groups of 2, approx.				
				Asse:	Language of ass Other prerequis students about a declaration of assessment ove dents who mee assessment at a ssment in module 2 ECTS, Method oral examinatio Language of ass Only after succe or module comp	ites: Certain prerequisit the respective details will to seek admission of the course of the ser t all prerequisites will be a later date, students w component 10-M-LNA- of grading: numerical g n of one candidate each sessment: German, Eng essful completion of me conent 10-M-LNA-2 is a	at the beginning of the count of assessment. If studen nester, the lecturer will purper admitted to assessmen ill have to obtain the quali P-082: Examination in Lin grade n (approx. 30 minutes) lish if agreed upon with the odule components: Success	or admission to asse urse. Registration for ts have obtained the ut their registration f it in the current or in fication for admissio ear Algebra e examiner ssful completion of r on in module compo	nodule component 10-M-LNA-1				
		prerequi		<u> </u>			are listed in the section or						
L	Referre	ed to in	LPO I	§73 (1) 2. Mathematik	Lineare Algebra, Algeb	ra und Elemente der Zahle	ntheorie					

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 5 / 33

10-M-ST1-082-m01	Stocha	stics 1						1			
	ECTS	8	Duratio	n	1 semester	Method of grading numeric	al grade	Modul level	undergraduate		
	Course	S		V + Ü	no information	on SWS (weekly contact hours) a	nd course language av	vailable)			
	Methoo	d of ass	essment	exam	written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.						
	other p	rerequi	sites	tive d on to the le sessn							
	Referre		-	- ,	1) 3. Mathematik	Stochastik					
10-M-VKM-082-		atory Co	ourse Mat		r						
m01		1	Duratio		1 semester	Method of grading (not) su	· · ·		undergraduate		
	Course					on SWS (weekly contact hours) a	8 8	,			
	Method of assessment			project assignments (type and expenditure of time to be specified by the lecturer at the beginning of the course) Assessment offered: once a year, winter semester Language of assessment: German, English if agreed upon with the examiner							
	other p	rerequi	sites		Admission prerequisite to assessment: regular attendance of courses (as specified at the beginning of the course).						
Business Managen	nent and	Econor	mics (35 E								
12-BPL-G-082-m01	Supply	, Produ	ction and	Opera	tions Manageme	ent. An Introduction					
	ECTS	5	Duratio		1 semester	Method of grading numeric	al grade	Modul level	undergraduate		
	Course	S		V + Ü	no information	on SWS (weekly contact hours) a	nd course language av	vailable)			
	Method	d of ass	essment	writte	n examination (a	approx. 60 minutes)					
	Particip cation			(Busin (Busin applic cants alread will be with t cants rentia	ness Manageme ness Information cations exceed the irrespective of the dy achieved in the allocated by lo he same numbe who already hav I consideration.	t. Quota 2 (25% of places): numb r of subject semesters, places wil	athematik (Mathemat will be allocated to st aces will be allocated owing quotas: Quota ong applicants with th er of subject semeste l be allocated by lot. (t one module compor ale component with a	ics for Economic udents of other in a standardis 1 (50% of places e same number rs of the respect Quota 3 (25% of nent of the respect restricted numb	cs) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- s): total number of ECTS credits of ECTS credits achieved, places tive applicant; among applicants places): allocation by lot. Appli- ective module will be given prefe- per of places will be allocated in		

12-I&F-G-082-m01	Investm	ent and	d Finance.	An Int	troduction						
	ECTS	5	Duration	1	1 semester	Method of grading r	umerical grade	Modul level	undergraduate		
	Courses	;		V + Ü	(no information o	n SWS (weekly contact h	ours) and course language a	vailable)			
	Method	of asse	essment	writte	n examination (a	oprox. 60 minutes)					
	Participa cation o		5	Number of places: 405. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.							
12-EBWL-G-082-	Introduc	ction to	Business	Administration							
mo1	ECTS	5	Duration	1	1 semester	Method of grading r	umerical grade	Modul level	undergraduate		
	Courses	;		V + Ü	(no information o	n SWS (weekly contact h	ours) and course language a	vailable)			
	Method	of asse		written examination (approx. 60 minutes)							
	Participa cation o		S	(Busir (Busir applic cants alreac will be with th cants rentia	ness Managemen ness Information ations exceed the irrespective of the adlocated by lot. he same number who already have l consideration. F	t and Economics), Wirtsc Systems). The remaining e number of available pla eir subjects according to respective degree subje Quota 2 (25% of places) of subject semesters, pla e successfully completed laces on all courses of th	naftsmathematik (Mathemat places will be allocated to si ces, places will be allocated the following quotas: Quota ct; among applicants with th number of subject semeste ces will be allocated by lot. at least one module compon	tics for Economic tudents of other s l in a standardise 1 (50% of places he same number ers of the respect Quota 3 (25% of nent of the respe restricted numb	s of Wirtschaftswissenschaft s) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli-): total number of ECTS credits of ECTS credits achieved, places ive applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in e available.		

12-EVWL-G-082-	Introduction	to Economic	:S						
m01	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	N N	V + Ü (no information	on SWS (weekly contact hours) and course la	inguage available)				
	Method of as	ssessment	written examination (a	approx. 60 minutes)					
	Participants cation of plac	ces	Number of places: 640. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft (Business Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik (Business Information Systems). The remaining places will be allocated to students of other subjects. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.						
12-Mak1-G-082-	Macroecono	mics 1							
m01	ECTS 5	Duration		Method of grading numerical grade	Modul level	undergraduate			
	Courses		V + Ü (no information	on SWS (weekly contact hours) and course la	inguage available)				
	Method of as	ssessment	written examination (a	approx. 60 minutes)					
	Participants cation of pla	ces	(Business Manageme (Business Information applications exceed th cants irrespective of th already achieved in th will be allocated by lo with the same number cants who already hav rential consideration.	o. No restrictions with regard to available pla nt and Economics), Wirtschaftsmathematik (Systems). The remaining places will be alloc he number of available places, places will be heir subjects according to the following quot re respective degree subject; among applicar t. Quota 2 (25% of places): number of subject r of subject semesters, places will be allocate ve successfully completed at least one modu Places on all courses of the module compon A waiting list will be maintained and places re	Mathematics for Economic cated to students of other allocated in a standardise as: Quota 1 (50% of places hts with the same number t semesters of the respect ed by lot. Quota 3 (25% of le component of the respe ent with a restricted numb	s) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli-): total number of ECTS credits of ECTS credits achieved, places ive applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in			

12-Mik1-G-082-	Microe	conomi	CS 1									
m01	ECTS	5	Duratio	n	1 semester	Method of gradir	ng numerical grac	de	Modul level	undergraduate		
	Course	S	_	V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	writte	written examination (approx. 60 minutes)							
		oants ar of place		(Busi (Busi appli- cants alread will b with t cants rentia	ness Management ness Information S cations exceed the irrespective of the dy achieved in the e allocated by lot. he same number who already have al consideration. P	t and Economics), W Systems). The remain e number of availabl eir subjects accordin respective degree s Quota 2 (25% of pla of subject semesters e successfully comple	irtschaftsmathema ning places will be e places, places w g to the following ubject; among app ces): number of su , places will be all eted at least one n of the module con	atik (Mathemati allocated to stu vill be allocated quotas: Quota a plicants with the ubject semester located by lot. Conodule compon nponent with a	ics for Economic udents of other in a standardise (50% of places a same number rs of the respect Quota 3 (25% of ent of the respect restricted numb	ts of Wirtschaftswissenschaft cs) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- s): total number of ECTS credits of ECTS credits achieved, places tive applicant; among applicants places): allocation by lot. Appli- ective module will be given prefe- per of places will be allocated in e available.		
12-Risk-082-m01	Econor	nic Basi	cs of Risl	k Mana	gement							
	ECTS	5	Duratio	n	1 semester	Method of gradir	ng numerical grac	de	Modul level	graduate		
	Course	S	_	V + Ü	(no information o	n SWS (weekly conta	ct hours) and cou	rse language av	vailable)			
	Method of assessment			writte	n examination (ap	oprox. 60 minutes)						
Computer Science	(25 ECTS	6 credits	5)									
10-I-ADS-072-m01	Algorithm and data structures											
	ECTS	8	Duratio	n	1 semester	Method of gradir	ng numerical grad	de	Modul level	undergraduate		
	Course	S	_	V + Ü	(no information o	n SWS (weekly conta	ct hours) and cou	rse language av	vailable)			
					written examination (80 minutes) or oral examination (one candidate each: 20 minutes, groups of 2: 30 minutes, groups of 3: 40 minutes)							
10-I-PP-072-m01	Practic	al cours	e in prog	rammi	ng							
	ECTS	9	Duratio	n	1 semester	Method of gradir	ig (not) successfi	ully completed	Modul level	undergraduate		
	Course	S		P (no	information on SV	VS (weekly contact h	ours) and course l	language availa	ble)			
	Method of assessment				completion of programming exercises (expenditure of time as specified) and final examination: written examination (60 to 90 minutes) or oral examination (one candidate each: 10 to 15 minutes, groups of 2: 20 minutes, groups of 3: 30 minutes)							
10-I-ST-072-m01	Softwa	re techr	nology									
	ECTS	8	Duratio	n	1 semester	Method of gradir	ng numerical grac	de	Modul level	undergraduate		
	Course	S		V + Ü	(no information o	n SWS (weekly conta	ct hours) and cou	rse language av	vailable)			
	Methoo	d of asso	essment		n examination (80 inutes)	o minutes) or oral ex	amination (one ca	ndidate each: 2	o minutes, grou	ups of 2: 30 minutes, groups of 3:		

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 9 / 33

Compulsory Electiv	es (40 E	CTS cre	dits)								
	ollowing	pairs o						r 10-M-DFT, either 10-M- nded the corresponding	EZT or 10-M-ZAL, either 10-M-COM lectures beforehand.		
10-M-ODE-082-	Ordina	r <mark>y Diff</mark> er	ential Eq	uation	itions						
m01	ECTS	5	Duration	า	1 semesterMethod of gradingnumerical gradeModul levelundergraduate						
	Course	5		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Methoo	l of asse	essment	exami	nation of one cand	lidate each (approx. 2		examination in groups (g	ition can be replaced by an oral groups of 2, approx. 30 minutes)		
	other prerequisites			tive d on to the le sessn	ertain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- ve details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- n to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, ne lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- essment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- cation for admission to assessment anew.						
10-M-BSA-072-	Semina	r in Ana	alysis			,					
mo1	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		S (no	information on SW	S (weekly contact hou	ırs) and course langua	ge available)	,		
	Method of assessment			Asses	talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner						
	Referre			- ,	§ 73 (1) 1. Mathematik Analysis						
10-M-BSL-072-m01	Semina	r in Lin	ear Algeb	ra	a						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		S (no	information on SW	S (weekly contact hou	irs) and course languag	ge available)			
	Methoc	l of asse	essment	Asses	talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner						
	Referre	d to in L	PO I	§73 (1) 2. Mathematik L	ineare Algebra, Algebr	a und Elemente der Za	hlentheorie			
10-M-BSE-072-	Semina	r in Alg	ebra								
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S	<u>.</u>	S (no	information on SW	S (weekly contact hou	irs) and course languag	ge available)	·		
	Method of assessment			Asses Langu	talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner						
	Referre	d to in L	PO I	§73 (1) 2. Mathematik L	ineare Algebra, Algebr	a und Elemente der Za	hlentheorie			

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 10 / 33

10-M-BSG-072-	Semina	ninar in Geometry										
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		S (no	information on SWS	(weekly contact ho	urs) and course language av	ailable)	•			
	Method	ofass	essment	Asses	talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner							
	Referred	d to in l	POI	§73 (3 73 (1) 4. Mathematik Geometrie							
10-M-BSZ-072-	Semina	r in Nu	mber The	ory								
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		S (no	information on SWS	(weekly contact ho	urs) and course language av	ailable)	· ·			
	Method	ofass	essment	Asses	calk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner							
	Referred	d to in l	PO I	§73 (73 (1) 2. Mathematik Lineare Algebra, Algebra und Elemente der Zahlentheorie							
10-M-BSW-072-	Semina	Seminar in Ordinary Differential Equations										
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		S (no	information on SWS	(weekly contact ho	urs) and course language av	ailable)				
	Method	ofass	essment	Asses	talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner							
	Referred	d to in l	PO I	§73 (§ 73 (1) 1. Mathematik Analysis							
10-M-BSC-072-	Seminar in Complex Analysis											
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5	-	S (no	S (no information on SWS (weekly contact hours) and course language available)							
	Method	ofass	essment	Asses	talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner							
	Referred	d to in l	PO I	§73 ((1) 1. Mathematik An	alysis						
10-M-BSN-072-	Semina	r in Nu	merical M	athem	atics							
m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	6		S (no	information on SWS	(weekly contact ho	urs) and course language av	ailable)				
	Method	ofass	essment	Asses		e semester in which	the course is offered agreed upon with the examir	ner				
	Referred	d to in l	PO I	§73	(1) 5. Mathematik An	gewandte Mathema	tik					

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 11 / 33

	chastics									
ECTS 5	Duration	I 1 S	semester	Method of grading	numerical grade	Modul level	undergraduate			
Courses		S (no info	ormation on SWS	(weekly contact hou	rs) and course language availa	ble)				
Method of ass										
Defense d te in l										
			. Mathematik Sto	Chastik						
					· · · ·					
-					-		undergraduate			
				(weekly contact hou	s) and course language availa	ble)				
		<u> </u>	rox. 60 minutes)							
						1				
3					-		undergraduate			
		<u> </u>	,							
	crete Mat	hematics					· · · · · · · · · · · · · · · · · · ·			
3							undergraduate			
Courses		S (no info	ormation on SWS	(weekly contact hou	rs) and course language availa	ble)				
		<u> </u>	,							
	Discrete	Mathematics								
ECTS 5	Duration	15	semester	Method of grading	numerical grade	Modul level	undergraduate			
Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)								
Method of ass		written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner								
		Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								
	Courses Method of ass Referred to in I Seminar in Fur ECTS 5 Courses Method of ass Seminar in Op ECTS 5 Courses Method of ass Seminar in Dis ECTS 5 Courses Method of ass Introduction to ECTS 5 Courses Method of ass Method of ass Introduction to ECTS 5 Courses Method of ass	CoursesMethod of assessmentReferred to in LPO ISeminar in Functional ArECTS5DurationCoursesMethod of assessmentSeminar in Operation ReECTS5DurationCoursesMethod of assessmentSeminar in Operation ReECTS5DurationCoursesMethod of assessmentSeminar in Discrete MatECTS5DurationCoursesMethod of assessmentIntroduction to DiscreteECTS5DurationCoursesMethod of assessmentIntroduction to JiscreteECTS5DurationCoursesMethod of assessmentother prerequisites	CoursesS (no infermed of assessmentMethod of assessmenttalk (app Assessment anguagReferred to in LPO I§ 73 (1) 3Seminar in Functional AnalysisECTS5DurationCoursesS (no infermed of assessment analysis)Seminar in Operation Research1 stECTS5DurationSeminar in Operation Research1 stECTS5DurationSeminar in Operation Research1 stCoursesS (no infermed of assessment atlk (app Seminar in Discrete Mathematics)Seminar in Discrete Mathematics5 (no infermed of assessment atlk (app Introduction to Discrete Mathematics)CoursesS (no infermed of assessment atlk (app Introduction to Discrete Mathematics)CoursesS (no infermed of assessment atlk (app Introduction to Discrete Mathematics)CoursesV + Ü (no Method of assessment atlk (app Introduction to Discrete Mathematics)CoursesV + Ü (no Method of assessment atlanguag)other prerequisitesCertain p tive deta on to asset the lectu sessment fication for the set fication for th	S (no information on SWSMethod of assessmenttalk (approx. 60 minutes) Assessment offered: in the Language of assessment:Referred to in LPO I§ 73 (1) 3. Mathematik StoSeminar in Functional AnalysisECTS5Duration1 semesterS (no information on SWS)Method of assessmenttalk (approx. 60 minutes)Seminar in Operation ResearchS (no information on SWS)Method of assessmenttalk (approx. 60 minutes)Seminar in Operation ResearchS (no information on SWS)CoursesS (no information on SWS)Method of assessmenttalk (approx. 60 minutes)Seminar in Discrete MathematicsS (no information on SWS)CoursesS (no information on SWS)Method of assessmenttalk (approx. 60 minutes)Seminar in Discrete MathematicsS (no information on SWS)Method of assessmenttalk (approx. 60 minutes)Seminar in Discrete MathematicsS (no information on SWS)Method of assessmenttalk (approx. 60 minutes)Introduction to Discrete MathematicsECTS5DurationIntroduction to Discrete MathematicsECTS5DurationSominariation of one candid Language of assessment:OursesV + Ü (no information on SMethod of assessmentvritten examination (approx examination of one candid Language of assessment:OursesCertain prerequisites must tive details at the beginnir on to assessment. If stude the lecturer will put their re sessment in the current	CoursesS (no information on SWS (weekly contact hour Method of assessment Assessment offered: in the semester in which t Language of assessment: German, English if ag Referred to in LPO I§ 73 (1) 3. Mathematik StochastikSeminar in Functional AnalysisECTS5Duration1 semesterMethod of assessmenttalk (approx. 60 minutes)Seminar in Operation ResearchECTS5Duration1 semesterMethod of assessmenttalk (approx. 60 minutes)Seminar in Operation ResearchECTS5Duration1 semesterMethod of assessmenttalk (approx. 60 minutes)Seminar in Operation ResearchECTS5Duration1 semesterMethod of assessmenttalk (approx. 60 minutes)Seminar in Discrete MathematicsECTS5Duration1 semesterMethod of assessmenttalk (approx. 60 minutes)Introduction to Discrete MathematicsECTS5Duration1 semesterMethod of assessmenttalk (approx. 60 minutes)Introduction to Discrete MathematicsECTS5Duration1 semesterMethod of assessmenttalk (approx. 20 minutes); if ar examination of one candidate each (approx. 20 Language of assessment: German, English if agoOutreesV + Ü (no information on SWS (weekly contact hour Method of assessment. If students have obtained th the lecturer will put their registration for assess sessment. If students have obtained th the lecturer will put their	Courses S (no information on SWS (weekly contact hours) and course language availa Method of assessment talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner Referred to in LPO I § 73 (1) 3. Mathematik Stochastik Seminar in Functional Analysis ECTS 5 Duration 1 semester Method of grading numerical grade Courses S (no information on SWS (weekly contact hours) and course language availa Method of assessment talk (approx. 60 minutes) Seminar in Operation Research ECTS 5 Duration 1 semester Kethod of assessment talk (approx. 60 minutes) Seminar in Discrete Mathematics Seminar in Discrete Mathematics S S (no information on SWS (weekly contact hours) and course language availa Method of assessment talk (approx. 60 minutes) Seminar in Discrete Mathematics ECTS 5 Duration 1 semester Method of grading numerical grade Courses S (no information on SWS (weekly contact hours) and course language availa Method of assessment talk (approx. 60 minutes)	Courses S (no information on SWS (weekly contact hours) and course language available) Method of assessment talk (approx. 60 minutes) Assessment offered: in the semester in which the course is offered Language of assessment: German, English if agreed upon with the examiner Referred to in LPO I § 73 (i) 3. Mathematik Stochastik Seminar in Functional Analysis Isemester ECTS 5 Duration 1 semester Method of assessment talk (approx. 60 minutes) Seminar in Operation Research ECTS 5 Duration 1 semester Method of grading numerical grade Modul level Courses S (no information on SWS (weekly contact hours) and course language available) Method of assessment talk (approx. 60 minutes) Seminar in Operation Research Isemester Method of grading numerical grade Modul level Courses S (no information on SWS (weekly contact hours) and course language available) Method of assessment talk (approx. 60 minutes) Seminar in Discrete Mathematics ECTS 5 Duration 1 semester Method of grading numerical grade Modul level Courses S (no information on SWS (weekly contact hours) and course language available) Method of assessment ta			

10-M-FAN-072-m01	Introdu	iction to	Function	al Ana	lysis	_					
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)			
	Methoo	d of asse	essment	exami	ination of one cand	idate each (approx. 2	nnounced by the lecturer, the v co minutes) or an oral examinat agreed upon with the examiner	written examinat tion in groups (g	tion can be replaced by an oral roups of 2, approx. 30 minutes)		
	other prerequisites				etails at the beginn assessment. If stud cturer will put their	ing of the course. Reg lents have obtained t registration for asses or in the subsequent	gistration for the course will be he qualification for admission ssment into effect. Students wh	considered a de to assessment c to meet all prere	form students about the respec- eclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as- ents will have to obtain the quali-		
	Referre	ed to in L	.PO I	§ 73 (§ 73 (1) 1. Mathematik Analysis						
10-M-ORS-072-	Operations Research										
m01	ECTS 5 Duration			۱	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)			
	Methoo	Method of assessment			written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner						
	other prerequisites			Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
		ed to in L	-	- , , .		ngewandte Mathemat	tik				
10-M-EZT-072-m01		iction to	Number	Theory	/		-				
	ECTS	5	Duration		1 semester	Method of grading		Modul level	undergraduate		
	Course	-			-	. ,	hours) and course language av	•			
	Method of assessment			a) written examination (90 minutes; usually chosen) or b) oral examination of one candidate each (20 minutes) or c) oral ex- amination in groups (groups of 2, 30 minutes)							

10-M-NLD-072-	Non-Line	ear Dyn	amics									
m01	ECTS 5	5	Duration	า	1 semester	Method of grading	g numerical grade	Modul level	undergraduate			
	Courses			V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	of asse	ssment	exami	vritten examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) anguage of assessment: German, English if agreed upon with the examiner							
	other pre	erequis	ites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								
	Referred	to in L	PO I	§ 73 (1) 1. Mathematik Analysis								
10-M-COMg-082-	Computational Mathematics, advanced											
m01	ECTS 2	4	Duratior	۱	1 semester	Method of grading	g (not) successfully comple	ted Modul level	undergraduate			
	Courses			Ü + V (no information on SWS (weekly contact hours) and course language available)								
	Method o	of asse	essment	the co Asses	ourse) sment offered: or	nce a year, summer se			y the lecturer at the beginning of			
	other pre	erequis	ites	Admission prerequisite to assessment: regular attendance of exercises (attendance monitored, a maximum of one incident of unexcused absence).								
	Referred	to in L	POI	§ 73 (1) 5. Mathematik	Angewandte Mathema	atik					

mo1	Introduction to Geometry											
	ECTS	8	Duration	n 1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		 This module has 2 components; information on courses listed separately for each component. 10-M-GEO-1-082: V + Ü (no information on language and number of weekly contact hours available) 10-M-GEO-2-082: V + Ü (no information on language and number of weekly contact hours available) 								
	Method	d of asso	essment			omponents. To pass the modul	le as a whole st	udents must pass one of the two				
				 This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components. Assessment component to module component 10-M-GEO-1-082: Einführung in die Projektive Geometrie 8 ECTS credits, method of grading: numerical grade written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: English, German if agreed upon with the examiner Other prerequisites: Admission prerequisite to assessment. Successful completion of approx. 50% of exercises. Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment anew. Assessment component to module component 10-M-GEO-2082: Einführung in die Differentialgeometrie 8 ECTS credits, method of grading: numerical grade written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) 8 ECTS credits, method of grading: numerical grade written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) 8 ECTS credits, method of grading: numerical grade written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced								
	other p	rerequi	sites			are listed in the section on asse		•				
		d to in L		\S 73 (1) 4. Mathematik G								

10-M-PRGk-082-	Progra	ogramming course for students of Mathematics and other subjects, simple									
m01	ECTS	2	Duration		1 semester	Method of grading (not) successfully completed Modul level undergraduate					
	Course	S		P (no	no information on SWS (weekly contact hours) and course language available)						
	Methoo	d of asse		project in the form of programming exercises (type and expenditure of time to be specified by the lecturer at the beginning of the course) Language of assessment: German, English if agreed upon with the examiner							
	other prerequisites				Admission prerequisite to assessment: regular attendance (attendance monitored, a maximum of one incident of unexcused absence).						
	Referre	d to in L	PO I	§ 73 (1) 5. Mathematik Angewandte Mathematik							

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 16 / 33

10-M-ZAL-082-m01 N	umber Theo	ry and Alge	ebra						
E			1	2 semester	Method of gradin	ng numerical grade	Mod	ul level	undergraduate
			•	10-M-ZAL-1-082: 10-M-ZAL-2-082: 10-M-ZAL-P-082:	V + Ü (no informatio V + Ü (no informatio M (no information o	n on SWS (weekly con on on SWS (weekly con n SWS (weekly contac	tact hours) and co itact hours) and co it hours) and cours	ourse lang ourse lang se langua	guage available) ge available)
M	Nethod of ass		stated Asses Asses Asses	d otherwise, succes sment in module of 4 ECTS, Method of written examination 30 minutes) Language of assee Other prerequisite students about th a declaration of v assessment over dents who meet a assessment at a l sment in module of 7 ECTS, Method of written examination 30 minutes) Language of assee Other prerequisite students about th a declaration of v assessment over dents who meet a assessment over dents about th a declaration of v assessment over dents who meet a assessment at a l sment in module of 2 ECTS, Method of oral examination	ssful completion of component 10-M-ZA of grading: (not) suc on (approx. 90 minu of one candidate ea essment: German, E es: Certain prerequi he respective detail will to seek admissi the course of the s all prerequisites wi later date, students component 10-M-ZA of grading: (not) suc on (approx. 90 minu of one candidate ea essment: German, E es: Certain prerequi he respective detail will to seek admissi the course of the s all prerequisites wi later date, students component 10-M-ZA of grading: numerica of one candidate ea figrading: numerica	the module will requir L-1-082: Introduction cessfully completed ites); if announced by tach ach (approx. 20 minute nglish if agreed upon v sites must be met to qu s at the beginning of to on to assessment. If s emester, the lecturer l be admitted to asses will have to obtain the L-2-082: Introduction cessfully completed ites); if announced by tach (approx. 20 minute s at the beginning of to on to assessment. If s emester, the lecturer ligish if agreed upon v sites must be met to qu s at the beginning of to on to assessment. If s emester, the lecturer l be admitted to asses will have to obtain the L-P-082: Examination il grade ach (approx. 30 minute	re successful comp to Number Theory the lecturer, the we es) or an oral exar with the examiner ualify for admissio the course. Regist students have obta will put their regist ssment in the cur e qualification for to Algebra Introdu the lecturer, the we es) or an oral exar with the examiner ualify for admissio the course. Regist students have obta will put their regist students have obta will put their regist students have obta will put their regist ssment in the cur e qualification for in Number Theory es)	pletion of ritten examination i on to asset tration for ained the stration for admission uction to <i>A</i> ritten examination i on to asset tration for rained the stration for rained the stration for rained the stration for y and Alge	mination can be replaced by an n groups (groups of 2, approx. ssment. The lecturer will inform the course will be considered qualification for admission to or assessment into effect. Stu- the subsequent semester. For n to assessment anew.
_			•	Only after success module compone	sful completion of n ent 10-M-ZAL-2 is a p	prerequisite for particip	uccessful complet pation in module o	tion of mo componer	dule component 10-M-ZAL-1 or nt 10-M-ZAL-P.
	ther prerequ		<u> </u>	<u>/ </u>	<u> </u>	es are listed in the sec		nts.	
R	eferred to in	LPOI	<u>\$</u> 73 (:	1) 2. Mathematik L	ineare Algebra, Alge	ebra und Elemente der	Zahlentheorie		

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 17 / 33

10-M-NM1-082-	Numerical Mathematics 1											
m01	ECTS	8	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information o	n SWS (weekly contact	hours) and course lan	iguage available)				
	Methoo	d of ass	essment	exam	ritten examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral camination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) inguage of assessment: German, English if agreed upon with the examiner							
	other p	orerequi	sites	tive of on to the lo sess	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- ton to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
	Referre	d to in	LPO I	§73	73 (1) 5. Mathematik Angewandte Mathematik							
10-M-NM2-082-	Numeri	ical Mat	thematics	2	1							
m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	s		V + Ü	(no information o	n SWS (weekly contact	hours) and course lan	iguage available)				
	Methoo	d of ass	essment	exam Lang	written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other p	orerequi	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.								
	Referre	d to in	LPO I	§ 73 (1) 5. Mathematik Angewandte Mathematik								
10-M-ST2-082-m01	Stocha	stics 2										
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information o	n SWS (weekly contact	hours) and course lan	iguage available)				
	Methoo	d of ass	essment	exan Lang	written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner							
	other p			tive of on to the lo sess	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.							
	Referre				(1) 3. Mathematik							

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 18 / 33

10-M-PRG-082-	Progra	mming	course fo	r stude	nts of Mathematics	and other subjects			
m01	ECTS	3	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)	
	Methoo	d of asse	essment		project in the form of programming exercises (as specified at the beginning of the course) Language of assessment: German, English if agreed upon with the examiner				
	other prerequisites			Admis abser		assessment: regula	r attendance (attendance moni	tored, a maximu	um of one incident of unexcused
	Referred to in LPO I			§ 73 (§ 73 (1) 5. Mathematik Angewandte Mathematik				
10-M-COM-082-	Computeroriented Mathematics								
m01	ECTS	3	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment		essment	project in the form of programming exercises (as specified at the beginning of the course) Assessment offered: once a year, summer semester Language of assessment: German, English if agreed upon with the examiner					
	other prerequisites		Admission prerequisite to assessment: regular attendance of exercises (attendance monitored, a maximum of one incident of unexcused absence).						
	Referre	d to in L	.PO I	§ 73 (ı) 5. Mathematik Ang	gewandte Mathemat	ik		

10-M-DFT-082-m01	Ordinary Differentia	Equations and Complex Analysis
	ECTS 13 Dura	tion 2 semester Method of grading numerical grade Modul level undergraduate
	Courses	 This module comprises 3 module components. Information on courses will be listed separately for each module component. 10-M-DFT-1-082: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-DFT-2-082: V + Ü (no information on SWS (weekly contact hours) and course language available) 10-M-DFT-P-082: M (no information on SWS (weekly contact hours) and course language available)
	Method of assessme	 Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component 10-M-DFT-1-082: Ordinary Differential Equations Ordinary Differential Equations 4 ECTS, Method of grading: (not) successfully completed written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner Other prerequisites: Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment and a later date, students will have to obtain the qualification for assessment anew. Assessment in module component 10-M-DFT-2-082: Introduction to Complex Analysis Introduction to Complex Analysis Introduction to Complex Analysis Introduction to Complex Analysis 7 ECTS, Method of grading: (not) successfully completed written examination (approx. 90 minutes); if announced by the lecturer, the written examination can be replaced by an oral examination of a diagrams.
		 oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner Other prerequisites: Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew. Assessment in module component 10-M-DFT-P-082: Examination in Ordinary Differential Equations and Complex Analysis 2 ECTS, Method of grading: numerical grade oral examination of one candidate each (approx. 30 minutes) Language of assessment: German, English if agreed upon with the examiner Only after successful completion of module components: Successful completion of module component 10-M-DFT-1 or module component 10-M-DFT-2 is a prerequisite for participation in module component 10-M-DFT-P.
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.
	Referred to in LPO I	§ 73 (1) 1. Mathematik Analysis

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 20 / 33

10-M-VAN-082-	Advand	ed Ana	lysis							
m01	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		Ü + V	(no information o	n SWS (weekly contac	t hours) and course langua	age available)		
	Method	d of ass	essment	exami	ination of one can	didate each (approx.		mination in groups (g	tion can be replaced by an oral roups of 2, approx. 30 minutes)	
	other p	orerequi	sites	tive d on to the le sessn	ertain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the res ve details at the beginning of the course. Registration for the course will be considered a declaration of will to seek adm n to assessment. If students have obtained the qualification for admission to assessment over the course of the semest re lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to a essment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the q cation for admission to assessment anew.					
	Referre	d to in l	POI	§ 73 (1) 1. Mathematik A	Analysis				
Business Manage	ment and	l Econoi	nics (25 E	CTS cr	edits)					
12-EPS-091-m01	Entrep	reneurs	hip							
	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment			written examination (approx. 60 minutes) Language of assessment: German, English						
12-Mark-G-082-	Introdu	uction to	Market-	Oriente	ed Management					
m01	ECTS	5	Duratio	1	1 semester	Method of grading	g numerical grade	Modul level	undergraduate	
	Course	-		V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment			oprox. 60 minutes)				
	Participants and allo- cation of places			(Busin (Busin applic cants alread will be with t cants rentia	ness Management cations exceed the irrespective of the dy achieved in the e allocated by lot. he same number who already have l consideration. P	t and Economics), Wirt Systems). The remaini e number of available eir subjects according respective degree sul Quota 2 (25% of place of subject semesters, e successfully complet laces on all courses o	tschaftsmathematik (Math ng places will be allocated places, places will be alloc to the following quotas: Q bject; among applicants wi es): number of subject sen places will be allocated by red at least one module con	ematics for Economic to students of other cated in a standardise uota 1 (50% of places ith the same number nesters of the respect lot. Quota 3 (25% of mponent of the respect vith a restricted numb	s of Wirtschaftswissenschaft cs) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- s): total number of ECTS credits of ECTS credits achieved, places cive applicant; among applicants places): allocation by lot. Appli- ective module will be given prefe- per of places will be allocated in e available.	

Bachelor's with 1 ma	jor Economathematics (2	008)
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12-IntUR-G-082-	Managerial Ac	counting					
m01	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate	
	Courses	V + Ü) (no information o	on SWS (weekly contact hours) and course langu	uage available)		
	Method of ass	essment writt	en examination (a	approx. 60 minutes)			
	Participants and cation of place	es (Bus (Bus appl cant: alrea will t with cant: renti	iness Managemer iness Information ications exceed th s irrespective of th ady achieved in th be allocated by lot the same number s who already hav al consideration.	b. No restrictions with regard to available places nt and Economics), Wirtschaftsmathematik (Mat Systems). The remaining places will be allocate ne number of available places, places will be allo neir subjects according to the following quotas: (e respective degree subject; among applicants v t. Quota 2 (25% of places): number of subject se r of subject semesters, places will be allocated b ve successfully completed at least one module co Places on all courses of the module component waiting list will be maintained and places re-all	chematics for Economic ed to students of other s ocated in a standardise Quota 1 (50% of places with the same number of emesters of the respection outponent of the respection with a restricted number	s) and Wirtschaftsinformatik subjects. Should the number of d procedure among all appli-): total number of ECTS credits of ECTS credits achieved, places ve applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in	
12-ExtUR-G-082-	Financial Acco	ounting					
m01	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate	
	Courses	V + Ü) (no information o	on SWS (weekly contact hours) and course langu	uage available)		
	Method of ass	essment writt	written examination (approx. 60 minutes)				
	Participants an cation of place	es (Bus (Bus appl cant: alrea will t with cant: renti	iness Managemer iness Information ications exceed th s irrespective of th ady achieved in th be allocated by lot the same number s who already hav al consideration.	b. No restrictions with regard to available places nt and Economics), Wirtschaftsmathematik (Mat Systems). The remaining places will be allocate ne number of available places, places will be allo heir subjects according to the following quotas: (e respective degree subject; among applicants w t. Quota 2 (25% of places): number of subject se r of subject semesters, places will be allocated b re successfully completed at least one module co Places on all courses of the module component waiting list will be maintained and places re-all	chematics for Economic ed to students of other s ocated in a standardise Quota 1 (50% of places with the same number of emesters of the respection of lot. Quota 3 (25% of lot omponent of the respec- with a restricted number	s) and Wirtschaftsinformatik subjects. Should the number of d procedure among all appli-): total number of ECTS credits of ECTS credits achieved, places ve applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in	

12-Mak2-G-082-	Macroe	economi	ics 2						
m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade		Modul level	undergraduate
	Course	s		V + Ü	(no information o	on SWS (weekly contact hours) and course la	anguage ava	ailable)	
	Method	d of asse	essment	writte	n examination (a	pprox. 60 minutes)			
		oants an of place	S	(Busir (Busir applic cants alreac will be with th cants rentia	ness Managemen ness Information ations exceed th irrespective of th ly achieved in the e allocated by lot he same number who already have l consideration. F	. No restrictions with regard to available plact t and Economics), Wirtschaftsmathematik (A Systems). The remaining places will be alloc e number of available places, places will be eir subjects according to the following quota e respective degree subject; among applican . Quota 2 (25% of places): number of subject of subject semesters, places will be allocate e successfully completed at least one modul Places on all courses of the module compone waiting list will be maintained and places re	Mathematic cated to stu- allocated i as: Quota 1 nts with the t semesters ed by lot. Q le compone ent with a r	cs for Economic idents of other in a standardise (50% of places same number s of the respect uota 3 (25% of ent of the respe restricted numb	s) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- b): total number of ECTS credits of ECTS credits achieved, places ive applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in
12-Mik2-G-082-	Microe	conomi	CS 2						
m01	ECTS	5	Duration		1 semester	Method of grading numerical grade		Modul level	undergraduate
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Methoo	d of asse		written examination (approx. 60 minutes)					
		oants an of place	S	(Busir (Busir applic cants alreac will be with th cants rentia	ness Managemen ness Information ations exceed th irrespective of th ly achieved in the e allocated by lot he same number who already have l consideration. F	. No restrictions with regard to available place t and Economics), Wirtschaftsmathematik (<i>N</i> Systems). The remaining places will be alloc e number of available places, places will be eir subjects according to the following quota e respective degree subject; among applican . Quota 2 (25% of places): number of subject of subject semesters, places will be allocate e successfully completed at least one modul Places on all courses of the module compone waiting list will be maintained and places re	Mathematic cated to stu- allocated i as: Quota 1 nts with the t semesters ed by lot. Q le compone ent with a r	cs for Economic idents of other in a standardise (50% of places s ame number s of the respect uota 3 (25% of ent of the respe restricted numb	s) and Wirtschaftsinformatik subjects. Should the number of ed procedure among all appli- b): total number of ECTS credits of ECTS credits achieved, places ive applicant; among applicants places): allocation by lot. Appli- ctive module will be given prefe- er of places will be allocated in

12-WiPo-G-082-	Introduction to Economic Policy										
m01	ECTS 5	Duratior	า	1 semester	Method of grading	g numerical grade	Modul level	undergraduate			
	Courses		V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of asse	essment	writte	written examination (approx. 60 minutes)							
	Participants and allo- cation of places		(Busin (Busin applic cants alreac will be with t cants rentia	mber of places: 405. No restrictions with regard to available places for Bachelor's students of Wirtschaftswissenschaft usiness Management and Economics), Wirtschaftsmathematik (Mathematics for Economics) and Wirtschaftsinformatik usiness Information Systems). The remaining places will be allocated to students of other subjects. Should the number of plications exceed the number of available places, places will be allocated in a standardised procedure among all appli- nts irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits eady achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places I be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Appli- nts who already have successfully completed at least one module component of the respective module will be given prefe- ntial consideration. Places on all courses of the module component with a restricted number of places will be allocated in e same procedure. A waiting list will be maintained and places re-allocated as they become available.							
12-U&UF-F-082-	Entrepreneursh	hip and M									
m01	ECTS 5	Duratior	า	1 semester	Method of grading	g numerical grade	Modul level	undergraduate			
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of asse	essment	writte	n examination (ap	prox. 60 minutes)						
12-MaFo-F-082-	Market Research										
m01	ECTS 5 Duratio		ı	1 semester	Method of grading	g numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information or	n SWS (weekly contac	t hours) and course lang	guage available)				
	Method of assessment written examination (approx. 60 minutes)										
12-BPL-F-082-m01	Supply, Produc	ction and	Logist	ics Management.	Material Requiremen	ts Planning					
	ECTS 5	Duratior	1	1 semester	Method of grading	g numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information or	n SWS (weekly contac	t hours) and course lang	guage available)				
	Method of asse	essment	writte	n examination (ap	prox. 60 minutes)						
12-BPL-FS-082-	Seminar: Supp	oly, Produ	ction a	and Logistics Mana	agement						
m01	ECTS 5	Duratior	1	1 semester	Method of grading	g numerical grade	Modul level	undergraduate			
	Courses		S (no	information on SW	/S (weekly contact ho	ours) and course languag	ge available)				
	Method of asse	essment	term p	paper (10 to 20 pa	ges) and presentatior	n (20 minutes), weighted	d 2:1				
12-Wipr1-F-082-	Financial Accou	unting an	d Audi	ting 1 - Financial S	itatements (German (GAAP, IFRS)					
mo1		Duration	2	1 semester	Method of grading	numorical grado	Modul level	undergraduate			
mor	ECTS 5	Duratior				-		undergraduate			
	ECTS 5 Courses	Duration				t hours) and course lang					

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 24 / 33

12-Wipr2-F-082-	Financial Acco	unting an	d Audit	ting 2 - Consolidate	ed Financial Statemer	nts (German GAAP, IFRS)	1				
m01	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	_	V + Ü ((no information on	SWS (weekly contact	hours) and course language av	vailable)				
	Method of asse	ethod of assessment written examination (approx. 60 minutes)									
12-Wipr3-F-082-	Financial Acco	unting an	d Audit	ting 3 - Auditing							
m01	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü ((no information on	SWS (weekly contact	hours) and course language av	vailable)				
	Method of asse	essment	writter	n examination (app	prox. 60 minutes)						
12-Wipr-FS-082-	Seminar: Finan	icial Acco	unting	and Auditing							
m01	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		S (no i	information on SWS	S (weekly contact hou	irs) and course language availa	able)				
	Method of asse	essment		aper (approx. 25 p age of assessment		on (approx. 20 minutes), weigh	ted 2:1				
	Participants an cation of place	S	a stan of plac numbe respec (25% c compo with a cated	dardised procedur ces): total number er of ECTS credits a ctive applicant; am of places): allocatio onent of the respec restricted number as they become av	e among all applicant of ECTS credits alread ichieved, places will b ong applicants with t on by lot. In this proce tive module will be gi of places will be allow	pplications exceed the number is irrespective of their subjects by achieved in the respective de be allocated by lot. Quota 2 (25 the same number of subject ser edure, applicants who already l ven preferential consideration cated in the same procedure. A	according to th egree subject; a % of places): no nesters, places have successful . Places on all c	e following quotas: Q mong applicants with umber of subject sem will be allocated by lo lly completed at least ourses of the module	uota 1 (50% a the same esters of the ot. Quota 3 one module component		
12-I&F-F-082-m01	Investment and	d Finance	- Adva	nced Level							
	ECTS 5 Duratio		า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü ((no information on	SWS (weekly contact	hours) and course language av	/ailable)				
	Method of assessment		written examination (approx. 60 minutes)								
12-I&F-FS-082-m01	Seminar: Inves	tment an	d Finan	ice							
	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		S (no i	information on SWS	S (weekly contact hou	irs) and course language availa	able)				
	Method of asse	essment	term p	oaper (approx. 20 p	ages) and presentation	on (approx. 20 minutes), weigh	ited 2:1				
12-UBW-F-082-	Business Valua	ation betw	veen Fi	nancial Mathemati	ics and Data on Capit	al Market	·				
m01	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü ((no information on	SWS (weekly contact	hours) and course language av	/ailable)				
	Method of asse	essment	writter	n examination (app	orox. 60 minutes)						
12-St1-F-082-m01	Business Taxa	tion 1: An	Introd	uction to Tax Law 8	& Tax Planning						
	ECTS 5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü ((no information on	SWS (weekly contact	hours) and course language av	/ailable)				
	Method of asse	essment	writter	n examination (app	orox. 60 minutes)						
Bachelor's with 1 major E	conomathematics (200	08)				JMU Würzburg • generated 23-Aug-20	021 • exam. reg. data r	record 82 276 - - H 2008	page 25 / 33		

12-St2-F-082-m01	Business Taxa	tion 2: The Taxa	tion of Income in Ge	ermany							
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses V + Ü (no information on SWS (weekly contact hours) and course language available)										
	Method of ass	essment writte	n examination (appr	rox. 120 minutes)							
12-St3-F-082-m01	Business Taxa	tion 3: Tax Acco	unting								
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	V + Ü	(no information on S	SWS (weekly contact h	nours) and course language av	ailable)					
	Method of ass	Method of assessment written examination (approx. 120 minutes)									
12-EBus-F-082-	eBusiness										
m01	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	V + Ü	(no information on S	SWS (weekly contact h	nours) and course language av	ailable)					
	Method of ass	essment writte	n examination (appr	rox. 60 minutes)							
12-SCM-F-082-m01	Supply Chain I	Management									
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	V + Ü	(no information on S	SWS (weekly contact h	nours) and course language av	ailable)					
	Method of ass	essment writte	n examination (appr	rox. 60 minutes)							
12-Wiinf-FS-082-	Seminar: Infor	mation Technol	ogies								
m01	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			•	s) and course language availa	ble)					
	Method of ass	essment term	paper (20 pages) and	d presentation (appro	x. 20 minutes), weighted 2:1						
12-P&O-F-082-m01	Human Resour	rce Management	t & Organizational T	heory							
	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	V + Ü	(no information on S	SWS (weekly contact h	nours) and course language av	ailable)					
	Method of ass	essment writte	n examination (appr	rox. 60 minutes)							
12-P&Oca-	Management (Case Studies									
se-F-082-m01	ECTS 5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	Ü (no	information on SWS	6 (weekly contact hour	rs) and course language availa	ble)					
	Method of ass	essment prese	ntation of case stud	lies and oral participat	tion (as specified at the beginr	ning of the cour	se)				

12-P&O-FS-082-	Seminar:	: Huma	n Resour	ce Mar	nagement & Orga	nizational Theory				
m01	ECTS 5	5	Duration	1	1 semester	Method of grading numerical grade		Modul level	undergraduate	
	Courses			S (no i	information on SV	NS (weekly contact hours) and course lan	nguage availa	able)		
	Method o	of asse	essment	term paper (15 to 20 pages) and presentation (approx. 20 minutes), weighted 2:1						
						nt: German, English				
	Participa cation of			Number of places: 15. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same						
		places	5							
						achieved, places will be allocated by lot.				
						mong applicants with the same number of the same number of the same number of the same set of the same set of t				
						ective module will be given preferential co				
						er of places will be allocated in the same	procedure. A	waiting list will	be maintained and places re-allo-	
					as they become a	ivailable.		1		
12-EuGP-F-082- m01	Europear									
1101	ECTS 5	5	Duration		1 semester	Method of grading numerical grade	1	Modul level	undergraduate	
	Courses	<u> </u>		V + Ü (no information on SWS (weekly contact hours) and course language available) written examination (approx. 60 minutes)						
					n examination (ap	prox. 60 minutes)				
12-VWL1-FS-082- m01	Seminar: Economic Policy ECTS 5 Duration 1 semester Method of grading numerical grade Modul level undergraduate									
1101					1 semester	Method of grading numerical grade	•1	Modul level	undergraduate	
	Courses					NS (weekly contact hours) and course lan				
				term paper (approx. 15 pages) and presentation (approx. 45 minutes), weighted 2:1 bilization Policy						
12-Konj1-F-082- m01		<u> </u>	S and Sta Duration			Mathed of grading numerical grade		Modul level	undergreduete	
	ECTS 5 Courses	>			1 semester	Method of grading numerical grade			undergraduate	
		ofacco		V + Ü (no information on SWS (weekly contact hours) and course language available)						
12-VWL2-FS-082-				written examination (approx. 60 minutes)						
mo1	ECTS 5		Duration		1 semester	Method of grading numerical grade		Modul level	undergraduate	
	Courses								undergraduate	
	Method of	ofacco		S (no information on SWS (weekly contact hours) and course language available) term paper (approx. 15 pages) and presentation (approx. 20 minutes), weighted 2:1						
	Participa			· · ·		Should the number of applications exceed			aces places will be allocated in	
	cation of									
				a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same						
				number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the						
				respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module						
				compo	onent of the respe	ective module will be given preferential co	onsideration	. Places on all c	ourses of the module component	
						er of places will be allocated in the same	procedure. A	waiting list will	be maintained and places re-allo-	
				cated	as they become a	ivailable.				

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 27 / 33

12-S&W1-F-082-	Competition a	nd Strateg	sy 1							
m01	ECTS 5	Duratior		1 semester	Method of grading numerical gra	de	Modul level	undergraduate		
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment written examination (approx. 60 minutes)									
12-S&W2-F-082-	Competition a	nd Strateg	y 2							
m01	ECTS 5	Duratior		1 semester	Method of grading numerical gra		Modul level	undergraduate		
	Courses		V + Ü	' + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of asse	essment	written examination (approx. 60 minutes)							
12-S&W3-FS-082-	Seminar: Comp	petition a	nd Stra	ategy						
m01	ECTS 5	Duration	1	1 semester	Method of grading numerical gra	de	Modul level	undergraduate		
	Courses		S (no	information on SWS	5 (weekly contact hours) and course	language availa	ble)			
	Method of asse	essment	term	erm paper (approx. 15 pages) and presentation (approx. 20 minutes), weighted 2:1						
	cation of place		Number of places: 15. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.							
12-A&S-F-082-m01		-		, , , , , , , , , , , , , , , , , , ,						
	ECTS 5	Duratior		1 semester	Method of grading numerical gra		Modul level	undergraduate		
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)							
			written examination (approx. 60 minutes)							
12-Integ-F-082-	European Integ			r			1			
m01	ECTS 5	Duratior		1 semester	Method of grading numerical gra		Modul level	undergraduate		
	Courses			-	SWS (weekly contact hours) and cou	urse language av	ailable)			
				n examination (app	rox. 60 minutes)					
12-WO-FS-082-	Seminar: Econ						1			
m01	ECTS 5	Duratior		1 semester	Method of grading numerical gra		Modul level	undergraduate		
	Courses				6 (weekly contact hours) and course		ble)			
			term	paper (approx. 25 p	ages) and presentation (approx. 20	minutes)				
12-Mik3-F-082-	Microeconomi			r			1			
m01	ECTS 5	Duratior		1 semester	Method of grading numerical gra		Modul level	undergraduate		
	Courses				SWS (weekly contact hours) and cou	urse language av	ailable)			
	Method of asse	essment	writte	n examination (app	rox. 60 minutes)					

Bachelor's with 1 major Economathematics (2008) JMU Wurzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008 page 28 / 3	Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 28 / 33

12-Fiwi-FS-082-	Semina	r: Publi	c Finance	2								
m01	ECTS	5	Duration	<u>ו</u>	1 semester	Method of gradir	ng numerical grade	Modul level	undergraduate			
	Courses	S		S (no	5 (no information on SWS (weekly contact hours) and course language available)							
	Method	l of ass	essment	term	paper (approx. 15	5 pages) and presenta	tion (approx. 45 minut	es), weighted 2:1				
	Particip cation o			a star of pla numb respe (25% comp with a	ndardised procec ces): total numb er of ECTS credit ctive applicant; a of places): alloca onent of the resp	lure among all applica er of ECTS credits alre s achieved, places wi among applicants wit ation by lot. In this pro pective module will be per of places will be al	ants irrespective of the ady achieved in the re Il be allocated by lot. O h the same number of ocedure, applicants wh given preferential con	ir subjects according to th spective degree subject; a Quota 2 (25% of places): n subject semesters, places to already have successfu usideration. Places on all c	aces, places will be allocated in the following quotas: Quota 1 (50%) among applicants with the same umber of subject semesters of the will be allocated by lot. Quota 3 Ily completed at least one module courses of the module component I be maintained and places re-allo-			
12-Konj2-F-082-	Time Se	eries An	alysis									
m01	ECTS	5	Duration	า	1 semester	Method of gradir	ng numerical grade	Modul level	undergraduate			
	Courses	S		V + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			writte	written examination (approx. 60 minutes)							
	cation	Participants and allo- cation of places			Number of places: 20. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.							
12-Konj3-F-082-	Simula	tion of l	Dynamica	l Syste	ems							
m01		5	Duration		1 semester		ng numerical grade	Modul level	undergraduate			
	Courses			V (no information on SWS (weekly contact hours) and course language available)								
			essment	written examination (approx. 60 minutes)								
	Particip cation o			a star of pla numb respe (25% comp with a	ndardised procec ces): total numb er of ECTS credit ctive applicant; a of places): alloca onent of the resp	lure among all applica er of ECTS credits alre s achieved, places wi among applicants wit ation by lot. In this pro pective module will be per of places will be al	ants irrespective of the ady achieved in the re Il be allocated by lot. O h the same number of ocedure, applicants wh given preferential con	ir subjects according to th spective degree subject; a Quota 2 (25% of places): n subject semesters, places to already have successfu usideration. Places on all c	laces, places will be allocated in the following quotas: Quota 1 (50%) among applicants with the same umber of subject semesters of the will be allocated by lot. Quota 3 Ily completed at least one module courses of the module component I be maintained and places re-allo-			

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 29 / 33

12-QWF-FS-082-	Seminar: Quar	ntitative Ec	conom	ic Research						
m01	ECTS 5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment	term paper (approx. 15 pages) and presentation (approx. 25 minutes), weighted 2:1							
	Participants an cation of place	25	Number of places: 15. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.							
12-GP-G-082-m01	Business Processes									
	ECTS 5 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment	written examination (approx. 60 minutes)							
	Participants an cation of place	25	mum dents applic dits a ted by numb dy hav tion. F	15 places. More pl of other subjects cants irrespective lready achieved in y lot. Quota 2 (25% er of subject seme ve successfully co Places on all cours	laces will be available p exceed the number of a of their subjects accord the respective subject of places): number of esters, places will be al mpleted at least one m ses of the module comp	provided there is enough capa available places, places will be ling to the following quotas: Q ; among applicants with the s subject semesters of the resp located by lot. Quota 3 (25% c nodule component of the respe	city. Should the e allocated in a s uota 1 (50% of p ame number of f ective applicant of places): alloca ective module wi er of places will b	Other degree programmes: mini- number of applications from stu- standardised procedure among all blaces): total number of ECTS cre- ECTS credits, places will be alloca- ; among applicants with the same tion by lot; applicants who alrea- ll be given preferential considera- be allocated in the same procedu-		

12-FRBE-F-082-	Forward	d and Re	everse Bu	siness	Engineering							
m01	ECTS 5 Duration			า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V + Ü	(no information on	SWS (weekly contact	hours) and course language	available)				
	Method	l of asse	essment	writte	n examination (app	rox. 60 minutes)						
	Particip cation c			follow on. (2 (1) an within acade excee tive o ved in ted by numb accor ve mo ber of	vs: (1) Bachelor's stu) The remaining pla d the number of app n this group accordi emic and examination ds the number of av- f their subjects accord the respective deg v lot. Quota 2 (25%) er of subject semes ding to (1) and (2), a odule will be given p	idents of Wirtschafts ces will be allocated plications exceeds th ng to the respective F on regulations). (4) W vailable places, place ording to the following ree subject; among a of places): number of ters, places will be a upplicants who alread referential considera	informatik (Business Informatik (Business Informatik to students of other subjects e number of available places SB (subject-specific provision hen places are allocated in a swill be allocated in a stand g quotas: Quota 1 (50% of pl pplicants with the same num subject semesters of the re- llocated by lot. Quota 3 (25% dy have successfully comple- tion. (6) Places on all course	ation Systems) will s. (3) When places s, places will be all ons) regarding Sect accordance with (2 dardised procedure aces): total number ober of ECTS credit spective applicant of places): alloca ted at least one mo	aces, places will be allocated as be given preferential considerati- are allocated in accordance with located among applicants from tion 7 Subsection 4 ASPO (general e) and the number of applications e among all applicants irrespec- er of ECTS credits already achie- ts achieved, places will be alloca- ; among applicants with the same tion by lot. (5) Within the groups odule component of the respecti- omponent with a restricted num- d places re-allocated as they be-			
12-S&W3-F-082-	Compet	tition a	nd Strates	SV 3								
mo1		5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V + Ü	(no information on	SWS (weekly contact	hours) and course language	available)	•			
	Method	lofasse	essment	writte	n examination (app	rox. 60 minutes)						
12-UG-FS-091-m01	Seminar: Foundation and Corporate Growth											
	ECTS	5	Duratior	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		S (no	information on SWS	(weekly contact hou	rs) and course language ava	ailable)				
	Method	l of asse	essment			20 pages) and prese German or English	ntation (approx. 20 to 30 mi	nutes), weighted 2	2:1			
	Participants and allo- cation of places			a star of pla numb respe (25% comp with a	ndardised procedure ces): total number of er of ECTS credits a ctive applicant; amo of places): allocatio onent of the respec	e among all applicant of ECTS credits alread chieved, places will b ong applicants with t on by lot. In this proce tive module will be g of places will be allow	s irrespective of their subjective y achieved in the respective be allocated by lot. Quota 2 (he same number of subject s edure, applicants who alread ven preferential consideration	ts according to the degree subject; an 25% of places): nu semesters, places ly have successfull on. Places on all co	aces, places will be allocated in e following quotas: Quota 1 (50% mong applicants with the same imber of subject semesters of the will be allocated by lot. Quota 3 ly completed at least one module ourses of the module component be maintained and places re-allo-			
12-IntH-091-m01	Interna	tional T	rade									
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V + Ü	(no information on	SWS (weekly contact	hours) and course language	available)				
	Method	l of asse	essment	writte	n examination (app	rox. 60 minutes)						
Bachelor's with 1 major E	conomothor	matics (and	n8)				JMU Würzburg • generated 23-Au	g-2021 ● exam reg data re	ecord 82 276 - - H 2008 page 31 / 33			

12-CQW-091-m01	Computer Lab in Regression Analysis											
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade		Modul level	undergraduate		
	Courses	5		P (no	P (no information on SWS (weekly contact hours) and course language available)							
				a) written examination (approx. 60 minutes) or b) term paper (approx. 10 pages) and presentation (approx. 20 minutes), weighted 2:1								
	Particip cation o			a star of pla numb respe (25% comp with a	ndardised procedu aces): total numbe per of ECTS credits ective applicant; an of places): allocat ponent of the respe	are among all applican r of ECTS credits alread achieved, places will mong applicants with tion by lot. In this proc ective module will be get of places will be allo	its irrespective of the dy achieved in the re be allocated by lot. the same number of redure, applicants we given preferential co	eir subjects ac espective deg Quota 2 (25% f subject seme vho already ha onsideration. P	ccording to the ree subject; a of places): nu esters, places ve successful Places on all co	aces, places will be allocated in e following quotas: Quota 1 (50% mong applicants with the same umber of subject semesters of the will be allocated by lot. Quota 3 ly completed at least one module ourses of the module component be maintained and places re-allo-		
12-CE-091-m01	Comput	tational	Economi	CS								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade		Modul level	undergraduate		
	Courses	5		P (no	P (no information on SWS (weekly contact hours) and course language available)							
	Method	l of asse	essment	term paper including programming a model (approx. 10 pages)								
	Participants and allo- cation of places			a star of pla numb respe (25% comp with a cated	ndardised procedu aces): total numbe per of ECTS credits ective applicant; an of places): allocat ponent of the respe a restricted numbe l as they become a	are among all applican r of ECTS credits alread achieved, places will mong applicants with tion by lot. In this proc ective module will be g er of places will be allo available.	its irrespective of the dy achieved in the re be allocated by lot. the same number of redure, applicants we given preferential co	eir subjects ac espective deg Quota 2 (25% f subject seme vho already ha onsideration. P	ccording to the ree subject; a of places): nu esters, places ve successful Places on all co	aces, places will be allocated in e following quotas: Quota 1 (50% mong applicants with the same umber of subject semesters of the will be allocated by lot. Quota 3 ly completed at least one module ourses of the module component be maintained and places re-allo-		
12-KR-091-m01			- <u>-</u>		Making and Contro							
		5	Duration		1 semester	Method of grading			Modul level	undergraduate		
	Courses					n SWS (weekly contac	t hours) and course	language avai	ilable)			
	Method	l of asse	essment	writte	en examination (ap	prox. 60 minutes)						
12-IM-091-m01		ion Mar	nagemen	t								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade		Modul level	undergraduate		
	Courses	5		V + Ü	(no information o	n SWS (weekly contac	t hours) and course	language avai	ilable)			
	Method	l of asse	essment			oprox. 60 minutes) nt: German, English						

Bachelor's with 1 major Economathematics (2008)	JMU Würzburg • generated 23-Aug-2021 • exam. reg. data record 82 276 - - H 2008	page 32 / 33

Thesis (10 ECTS cr	edits)												
10-M-BAW-082-	Thesis	Thesis Business Mathematics (Bachelor Thesis)											
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	Courses			no courses assigned								
	Metho	d of asso	essment		written thesis Language of assessment: German, English if agreed upon with the examiner								
	other p	other prerequisites			Registration for assessment: as specified.								
Subject-specific K	ey Skills	(10 ECT	S credits)										
10-M-EPW-082-	External Internship Business Mathematics												
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	Courses			P + Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	Method of assessment			placement report / fieldwork report / report on practical training / report on practical course / project report / report on techni- cal course (approx. 15 pages) and oral presentation thereof (approx. 20 minutes)								