



## **Annex SFB**

# Studienfachbeschreibung (subject description, SFB) for the subject Didactics in Mathematics (Secondary School) as Didaktikfach with the degree "Erste Staatsprüfung für das Lehramt für Sonderpädagogik"

### Responsible: Institute of Mathematics

Examination regulations version: 2009

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: <b>SS</b> = summer semester, <b>WS</b> = winter semester
Methods of grading: <b>NUM</b> = numerical grade, <b>B/NB</b> = (not) successfully completed
Regulations: <b>(L)ASPO</b> = general academic and examination regulations (for teaching-degree programmes), <b>FSB</b> = subject-specific provisions, <b>SFB</b> = list of modules
Other: <b>A</b> = thesis, <b>LV</b> = course(s), <b>PL</b> = assessment(s), <b>TN</b> = participants, <b>VL</b> = prerequisite(s)
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.
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:

#### LASPO2009

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

### 23-May-2012 (2012-81)

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

Every module will be described using the following form:

Abbreviation	Module title									
	ECTS		Duration	(in semesters)	Method of grading		Module level			
	Courses		To be spe	o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of as	ssessme	ent							
	Only after su completion of		Il if applica	ble						
	Other prereq	uisites	if applica	if applicable						
	Participants on of places		ocati- if applica	ble						
	Additional in	ıformati	on if applica	if applicable						
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teaching	g-degree programmes)				

10-M-MH1-092-	Mathematics in German Hauptschule (Arithmetic and Algebra)										
m01	ECTS	10	Duration	2 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	!S		<ul> <li>This module comprises 3 module components. Information on courses will be listed separately for each module component.</li> <li>10-M-MH1-P-092: M (no information on SWS (weekly contact hours) and course language available)</li> <li>10-M-MH1-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>10-M-MH1-2-092: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> </ul>							
	Metho	d of ass	essment	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.							
				<ul> <li>Assessment in module component 10-M-MH1-P-092: Mathematics in German Hauptschule (Arithmetic and Algebra)         <ul> <li>1 ECTS, Method of grading: numerical grade</li> <li>written examination (approx. 120 minutes); if announced by the lecturer, the written examination can be replaced I an oral examination of one candidate each (approx. 15 minutes) or an oral examination in groups (groups of 2: approx 20 minutes, groups of 3: approx. 30 minutes) or by a written and/or multi-media portfolio (as announced)</li> <li>Only after successful completion of module components: Successful completion of the two module components 1 M-MH1-1 and 10-M-MH1-2 is a prerequisite for participation in module component 10-M-MH1-P.</li> </ul> </li> <li>Assessment in module component 10-M-MH1-1-092: Mathematics in German Hauptschule (Arithmetic) Mathematics in G man Hauptschule (Arithmetic)         <ul> <li>5 ECTS, Method of grading: (not) successfully completed</li> <li>exercises: At the beginning of the course, the lecturer will specify the type and scope of exercises to be successful completed.</li> </ul> </li> <li>Assessment in module component 10-M-MH1-2-092: Mathematics in German Hauptschule (Algebra) Mathematics in German Hauptschule (Algebra)</li> <li>4 ECTS, Method of grading: (not) successfully completed</li> <li>exercises: At the beginning of the course, the lecturer will specify the type and scope of exercises to be successfull completed.</li> </ul>							
	Referre	ed to in I			Hauptschule Mathematik Mittelschule Mathematik						

l mo1	Mathematics in German Hauptschule (Geometry, use-oriented teaching and Stochastics)									
m01	ECTS	10	Duratior	2 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		<ul> <li>10-M-MH2-P-09</li> <li>10-M-MH2-1-09</li> </ul>	2: M (no information o 2: V + Ü (no informatio	s. Information on courses will n SWS (weekly contact hours) n on SWS (weekly contact hour n on SWS (weekly contact hou	and course langu s) and course lan	nguage available)		
	Method	d of ass	essment			sessments in the individual more module will require success				
				and Stochastics) <ul> <li>1 ECTS, Method</li> <li>written examina</li> <li>an oral examina</li> <li>20 minutes, gro</li> <li>Only after succe</li> <li>M-MH2-1 and 10</li> </ul> Assessment in module <ul> <li>man Hauptschule (Geo</li> <li>5 ECTS, Method</li> <li>exercises: At the completed over</li> </ul> Assessment in module <ul> <li>teaching and Stochast</li> <li>4 ECTS, Method</li> <li>exercises: At the completed over</li> </ul>	of grading: numerical tion (approx. 120 minu- tion of one candidate e ups of 3: approx. 30 m ssful completion of m o-M-MH2-2 is a prereque component 10-M-MH of grading: (not) succe beginning of the cou the course of the semu- component 10-M-MH ics) Mathematics in Ge of grading: (not) succe beginning of the cou	grade utes); if announced by the lectures each (approx. 15 minutes) or an inutes) or by a written and/or n odule components: Successfur isite for participation in modu <b>2-1-092:</b> Mathematics in German essfully completed rese, the lecturer will specify the ester for the module component <b>2-2-092:</b> Mathematics in German Hauptschule (Exam in G essfully completed	urer, the written e oral examination nulti-media portf l completion of th le component 10- an Hauptschule ( e type and scope an Hauptschule ( eometry, used-ori e type and scope	ne two module components 10- M-MH2-P. Geometry) Mathematics in Ger- of exercises to be successfully ed successfully completed. Exam in Geometry, used-oriented iented teaching and Stochastics) of exercises to be successfully		
	Referre			§ 38 (1) 1. Didaktik der § 38 (1) 1. Didaktik der						
neral academic and areas below.	udents n l examin erdiscipl	nust tak ation re inary: T	ke module egulations The interdi	s worth a total of 15 EC for teaching-degree pr sciplinary additional of	ogrammes)). To achiev		credits, students	c electives) (Section 9 LASPO (ge- s may take any modules from the zende Bestimmungen für den		
10-M-DV-	Advanc	ed Dida	actics of N	Nathematics (German Hauptschule)						
HS-092-m01	ECTS	2	Duratior	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S		S (no information on S	WS (weekly contact ho	urs) and course language avai	lable)			
	Method	d of ass	essment	a) talk (approx. 60 min	utes) or b) assignmen	t to be completed at home (ap	prox. 50 to 60 hou	urs)		
	Referre	d to in l	LPO I	§ 51 (1) 4. Mathematik	Fachdidaktik					

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10-M-DCMU-092-	Computers	in Mathema	tical Teaching					
m01	ECTS 3 Duration		n 1 semester	Method of gradi	ng (not) successfully completed	Modul level	undergraduate	
	Courses		V (no information of	n SWS (weekly contact l	nours) and course language availa	able)		
	Method of	assessment		kpenditure of time to be l: every two years, sumr	specified by the lecturer at the be ner semester	eginning of the o	course)	
10-M-DM- HS-092-m01	Methodolo	gy of Teachi	ng in Mathematics (	German Hauptschule)				
	ECTS 3	Duratio	n 1 semester	Method of gradi	ng (not) successfully completed	Modul level	undergraduate	
	Courses		S (no information o	n SWS (weekly contact l	nours) and course language availa	able)		
	Method of	assessment	a) talk (approx. 45	ninutes) or b) project (a	pprox. 5 to 15 pages) or c) portfoli	o (approx. 5 to	15 pages)	
10-M-DV-	E-Learning	and Blendeo	Learning in Mather	natics at school				
HB-092-m01	ECTS 3	Duratio	n 1 semester	Method of gradi	ng (not) successfully completed	Modul level	undergraduate	
	Courses		Ü (no information o	n SWS (weekly contact	nours) and course language availa	able)		
	Method of	assessment	web-based project	assignments and tests (	length/expenditure of time to be	announced at t	he beginning of the course)	
			on to assessment. the lecturer will pur sessment in the cur fication for admissi matics are always i (online) added in b This registration fo successfully compl	If students have obtained their registration for as rrent or in the subseque on to assessment anew ncorporated into a mode rackets. Registration for the exercise will be cor eted, the lecturer will pu	In the qualification for admission sessment into effect. Students wh nt semester. For assessment at a . Courses offered online by Virtue ule with an exercise. The respectiv the exercise must always be mad	to assessment to meet all prere later date, stud lle Hochschule ve modules can le via SB@Hom tek admission to	equisites will be admitted to as- ents will have to obtain the quali- Bayern (vhb) in the field of mathe- be identified by the word virtuell e at the beginning of the course. o assessment. If the exercise was	
10-M-VH- BSto-092-m01			rstufe I (virtual cour	•				
0510-092-1101	ECTS 3	Duratio			ng (not) successfully completed		undergraduate	
	Courses		Ü (no information on SWS (weekly contact hours) and course language available)					
		assessment	web-based project assignments and tests (length/expenditure of time to be announced at the beginning of the course) Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respe					
	other prere	quisites	tive details at the b on to assessment. the lecturer will put sessment in the cu fication for admissi matics are always i (online) added in b This registration fo	eginning of the course. If students have obtained their registration for as rrent or in the subseque on to assessment anew ncorporated into a modu rackets. Registration for the exercise will be cor	Registration for the course will be d the qualification for admission sessment into effect. Students wh nt semester. For assessment at a . Courses offered online by Virtue ule with an exercise. The respectiv the exercise must always be mad	considered a d to assessment to meet all prere later date, stud lle Hochschule ve modules can le via SB@Hom tek admission to	eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali- Bayern (vhb) in the field of mathe- be identified by the word virtuell e at the beginning of the course. o assessment. If the exercise was	

Basics in Arithmetics (virtual course)										
ECTS	3	Duratior	า	1 semester	Method of gradi	ng (not) succes	ssfully completed	Modul level	undergraduate	
Courses			Ü (no	information on SW	VS (weekly contact h	iours) and cour	se language avail	able)		
Method	ofasse	essment	web-b	web-based project assignments and tests (length/expenditure of time to be announced at the beginning of the course)						
other pr	erequis	sites	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 admiss 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 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 (vhb) in the field of math matics are always incorporated into a module with an exercise. The respective modules can be identified by the word virtuel (online) added in brackets. Registration for the exercise was always be made via SB@Home at the beginning of the course. This registration for the exercise will be considered a declaration of will to seek admission to assessment. If the exercise was accounted the admitted to account the admitted to account the admitted in brackets. Registration for the exercise a declaration of will to seek admission to assessment. If the exercise was accounted the admitted to account the admitted in the course.							
Basics i	n Scho	ol Geome			•					
ECTS	3	Duratior	1	1 semester	Method of gradin	ng (not) succes	ssfully completed	Modul level	undergraduate	
Courses			Ü (no	information on SW	/S (weekly contact h	iours) and cour	se language avail	able)		
Method	ofasse	essment	web-b	ased project assi	gnments and tests (	ength/expendi	ture of time to be	announced at th	ne beginning of the course)	
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	atics in	n Class 10	o (virtu	al course)						
ECTS	3			1 semester		-			undergraduate	
			Ü (no information on SWS (weekly contact hours) and course language available)							
			web-based project assignments and tests (length/expenditure of time to be announced at the beginning of the course)							
other pr	erequis	sites	tive de on to a the led sessm ficatio matics (online This re	etails at the begin assessment. If stu cturer will put thei pent in the current on for admission to s are always incorp e) added in bracko egistration for the	ning of the course. I dents have obtaine r registration for ass or in the subsequen assessment anew. porated into a modu ets. Registration for exercise will be con	Registration for d the qualificat sessment into e nt semester. For Courses offere alle with an exer the exercise mu sidered a decla	the course will be ion for admission iffect. Students wh r assessment at a d online by Virtue cise. The respectiv ust always be maduration of will to se	considered a de to assessment de no meet all prere later date, stude lle Hochschule B ve modules can le via SB@Home eek admission to	eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali- Bayern (vhb) in the field of mathe- be identified by the word virtuell e at the beginning of the course.	
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