

## Annex SFB

# Studienfachbeschreibung (subject description, SFB) for Module studies (Bachelor) Mathematics

Responsible: Institute of Mathematics

Examination regulations version: 2019

Abbreviations used: Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V** = lecture

Term: **SS** = summer semester, **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: **(L)ASPO** = general academic and examination regulations (for teaching-degree programmes), **FSB** = subject-specific provisions, **SFB** = list of modules

Other: **A** = thesis, **LV** = course(s), **PL** = assessment(s), **TN** = participants, **VL** = prerequisite(s)

Conventions for the modules in this SFB: Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

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

Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with the general regulations governing the degree subject described in this module catalogue:

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

**15-May-2019 (2019-36)**

**27-Jun-2019 (2019-41)**

**14-Nov-2019 (2019-52)**

**22-Jan-2020 (2020-13)**

**06-May-2019 (2020-39)**

**22-Jul-2020 (2020-57)**

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

Every module will be described using the following form:

Abbreviation	<b>Module title</b>						
	ECTS		Duration	(in semesters)	Method of grading		Module level
	Courses		To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y				
	Method of assessment						
	Only after successful completion of		if applicable				
	Other prerequisites		if applicable				
	Participants and allocation of places		if applicable				
	Additional information		if applicable				
	Referred to in LPO I		if applicable (examination regulations for teaching-degree programmes)				

Summer Term 2019 (0 ECTS credits)							
10-M-SEM2-152-mo1	<b>Supplementary Seminar Mathematics</b>						
	ECTS	4	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	S (2)					
	Method of assessment	talk (60 to 120 minutes) Language of assessment: German and/or English					
Winter Term 2019 (0 ECTS credits)							
10-M-SEM2-152-mo1	<b>Supplementary Seminar Mathematics</b>						
	ECTS	4	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	S (2)					
	Method of assessment	talk (60 to 120 minutes) Language of assessment: German and/or English					
Summer Term 2020 (0 ECTS credits)							
10-M-ANA1-152-mo1	<b>Analysis 1</b>						
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	V (4) + Ü (2)					
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each) Language of assessment: German and/or English					
10-M-VHB1-152-mo1	<b>E-Learning and Blended Learning Mathematics 1</b>						
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	Ü (2) Course type: eLearning, mostly Virtuelle Hochschule Bayern (vhb)					
	Method of assessment	project (web-based, 15 to 20 hours) Assessment offered: Once a year, winter semester					
10-M-VHB2-152-mo1	<b>E-Learning und Blended Learning Mathematik 2</b>						
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	Ü (2) Course type: eLearning, mostly Virtuelle Hochschule Bayern (vhb)					
	Method of assessment	project (web-based, 15 to 20 hours) Assessment offered: Once a year, summer semester					
10-M-LNA1-152-mo1	<b>Linear Algebra 1</b>						
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	V (4) + Ü (2)					
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each) Language of assessment: German and/or English					

Winter Term 2020 (o ECTS credits)							
10-M-ANA1-152-mo1	<b>Analysis 1</b>						
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	V (4) + Ü (2)					
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each) Language of assessment: German and/or English					
10-M-ASM-152-mo1	<b>Reasoning and Writing in Mathematics</b>						
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	V (1) + Ü (1)					
	Method of assessment	project (10 to 20 pages) Language of assessment: German and/or English					
10-M-VHB1-152-mo1	<b>E-Learning and Blended Learning Mathematics 1</b>						
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	Ü (2) Course type: eLearning, mostly Virtuelle Hochschule Bayern (vhb)					
	Method of assessment	project (web-based, 15 to 20 hours) Assessment offered: Once a year, winter semester					
10-M-VHB2-152-mo1	<b>E-Learning und Blended Learning Mathematik 2</b>						
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	Ü (2) Course type: eLearning, mostly Virtuelle Hochschule Bayern (vhb)					
	Method of assessment	project (web-based, 15 to 20 hours) Assessment offered: Once a year, summer semester					
10-M-GBM-152-mo1	<b>Basic Notions and Methods of Mathematical Reasoning</b>						
	ECTS	2	Duration		Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	V (1) + Ü (1)					
	Method of assessment	project (10 to 15 pages) Language of assessment: German and/or English					
	Referred to in LPO I	§ 22 II Nr. 1 h) § 22 II Nr. 2 f)					
10-M-LNA1-152-mo1	<b>Linear Algebra 1</b>						
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   undergraduate
	Courses	V (4) + Ü (2)					
	Method of assessment	written examination (approx. 90 to 180 minutes) and written exercises (approx. 12 exercise sheets with approx. 4 exercises each) Language of assessment: German and/or English					