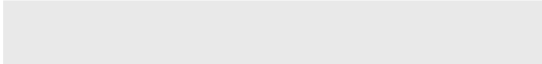




Family name: **Testino** First name: **Simone**



Munich, 3 December 2024

Program: Mathematics
Degree: Bachelor of Science (B.Sc.)

Transcript of Records in accordance with § 12 of the examination and study regulations of Ludwig-Maximilians-Universität München for the Bachelor's program in Mathematics (2021) dated 8 December 2021 as amended

List of Credit Courses	Term	Grade	Status	Note	ECTS
Compulsory modules					
Analysis of one variable (lecture) (P 1)	ST 2024	2.30	BE		6
Lecture Analysis of one variable (P 1.1)		BE			(6)
Module exam: Analysis of one variable (lecture)	ST 2024	2.30*	BE		
Analysis of one variable (problem sessions) (P 2)	ST 2024	BE	BE		6
Problem sessions Analysis of one variable (P 2.1)		BE			(6)
Module exam: Analysis of one variable (problem sessions)	ST 2024	BE*	BE		
Linear Algebra I (lecture) (P 3)	ST 2024	1.30	BE		6
Lecture Linear Algebra 1 (P 3.1)		BE			(6)
Module exam: Linear Algebra I (lecture)	ST 2024	1.30*	BE		
Linear Algebra I (problem sessions) (P 4)	ST 2024	BE	BE		6
Problem sessions Linear Algebra 1 (P 4.1)		BE			(6)
Module exam: Linear Algebra I (problem sessions)	ST 2024	BE*	BE		
Topology and multidimensional differential calculus (lecture) (P 5)	ST 2024	2.00	BE		6
Lecture Topology and multidimensional differential calculus (P 5.1)					(6)
Module exam: Topology and multidimensional differential calculus (lecture)	ST 2024	2.00*	BE		
Topology and multidimensional differential calculus (problem sessions) (P 6)	ST 2024	BE	BE		6
Problem sessions Topology and multidimensional differential calculus (P 6.1)					(6)
Module exam: Topology and multidimensional differential calculus (problem sessions)	ST 2024	BE*	BE		
Linear Algebra II (lecture) (P 7)	ST 2024	1.30	BE		6
Lecture Linear Algebra 2 (P 7.1)					(6)
Module exam: Linear Algebra II (lecture)	ST 2024	1.30*	BE		
Linear Algebra II (problem sessions) (P 8)	ST 2024	BE	BE		6
Problem sessions Linear Algebra 2 (P 8.1)					(6)
Module exam: Linear Algebra II (problem sessions)	ST 2024	BE*	BE		
Measure theory and multidimensional integral calculus (P 9)	ST 2024	4.00	BE		9
Lecture Measure theory and multidimensional integral calculus (P 9.1)		BE			(6)
Problem sessions Measure theory and multidimensional integral calculus (P 9.2)					(3)

List of Credit Courses	Term	Grade	Status	Note	ECTS
Module exam: Measure theory and multidimensional integral calculus	ST 2024	4.00*	BE		
Presenting mathematics (P 11)	ST 2024	1.00	BE		3
Seminar on selected topics of Mathematics (P 11.1)		BE			(3)
Module exam: Presenting mathematics	ST 2024	1.00*	BE		
Compulsory elective modules					
Compulsory Unit 1: seven Compulsory Elective Modules from WP 1 - WP 6 and WP 15 - WP 24 (at least two from WP 1 - WP 4 and WP 15 - WP 16, at least two from WP 5, WP 6 and WP 17 - WP 19, at least one from WP 20 - WP 24)					
Algebra (WP 5)	ST 2024	4.00	BE		9
Lecture Algebra (WP 5.1)		BE			(6)
Problem sessions Algebra (WP 5.2)					(3)
Module exam: Algebra (<i>Rosenschon</i>)	ST 2024	4.00*	BE		
Selected topics in pure mathematics (WP 6)	ST 2024	2.30	BE		9
Lecture Selected topics in pure mathematics (WP 6.1)		BE			(6)
Problem sessions Selected topics in pure mathematics (WP 6.2)					(3)
Module exam: Selected topics in pure mathematics	ST 2024	2.30*	BE	FBE	
Commutative algebra (WP 24)	ST 2024	3.70	BE		9
Lecture Commutative algebra (WP 24.1)					(6)
Problem sessions Commutative algebra (WP 24.2)					(3)
Module exam: Commutative algebra (<i>Rosenschon</i>)	ST 2024	3.70	BE	FBE	
Compulsory Unit 2: one Compulsory Elective Module from WP 7 - WP 8					
Presentation of a mathematical topic (WP 8)	ST 2024	2.00*	BE		3
Total ECTS credits					90
Average grade: 2.39					

Up to date of this transcript the requirements for the Bachelor's program in Mathematics have not been fulfilled.

This print-out serves only as information purposes of your previous level of achievement. It is not a certification of a completed examining procedure and does not replace it. Please check your print-out. If you find any mistakes please contact the Downtown Examination Office of Natural Sciences (PaNI) immediately.

Semester:

WT = winter term, ST = summer term

Grading scale:

Grades on each piece of work are indicated as: 1 = very good; 2 = good; 3 = satisfactory; 4 = sufficient; 5 = not sufficient. To guarantee a higher degree of differentiation, grades may be decreased or increased by 0.3. Grades of 0.7, 4.3, 4.7 and 5.3 are not possible.

The final grade is indicated as: up to and including 1.50 = very good; from 1.51 up to and including 2.50 = good; from 2.51 up to and including 3.50 = satisfactory and from 3.51 up to and including 4.00 = sufficient.

The average grade is calculated from the grades of all module examinations and module part examinations passed weighted on ECTS points. The final grade calculation may differ from the average grade calculation.

Status:

BE = passed, NB = failed, NBE = not yet passed, EN = finally failed, AN = registered

Notes:

ANL = cancelled achievement, FRG = exceeding the deadline of basic qualifying examination, FRN = exceeding the deadline, G = authorized withdrawal, KR = notification of sickness with certificate, NA = paper failed, NAA = paper not submitted, NE = failed to appear, TA = examination offence, FBE = free shot passed, FNB = free shot failed, FNV = free shot, grade not improved, FVB = free shot, grade improved, PFV = free shot, PVB = free shot for improving grades

Other abbreviations:

P = compulsory module, WP = compulsory optional module, TL = examination component, (*) = recognized achievement

For teaching degree programs: FD = achievements in teaching subject-specific didactics, FW = achievements related to main subject

Additional information and explanations:

ECTS points in brackets serve only for mathematical purposes.