Course descriptions

TABLE OF CONTENTS

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2-prUMAz-913/25	**Course title:** Didactics of Mathematics
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 25.04.2025	
Approved by: doc. PaedDr. Mária Slavíčková, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-211/25	**Course title:** Didactics of lower secondary school mathematics (1)

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
   per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0
Recommended semester: 3.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: doc. PaedDr. Mária Slavíčková, PhD.
Last change: 25.04.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-212/25	**Course title:** Didactics of lower secondary school mathematics (2)

Educational activities: **Type of activities:** lecture / independent work **Number of hours:**   **per week:**   **per level/semester:** 16s / 6s **Form of the course:** on-site learning
Number of credits: 0
Recommended semester: 4.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: doc. PaedDr. Mária Slavíčková, PhD.
Last change: 25.04.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-312/25	**Course title:** Didactics of lower secondary school mathematics (3)

Educational activities: **Type of activities:** lecture / independent work **Number of hours:**   **per week:** **per level/semester:** 16s / 6s **Form of the course:** on-site learning
Number of credits: 0
Recommended semester: 5.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: doc. PaedDr. Mária Slavíčková, PhD.
Last change: 25.04.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2- prUMAz-901/25	**Course title:** Diploma Thesis Project

Educational activities: 　**Type of activities:** lecture 　**Number of hours:** 　　**per week:**　**per level/semester:** 4s 　**Form of the course:** on-site learning
Number of credits: 0
Recommended semester: 5.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution 　Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers:
Last change:
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-105/25	**Course title:** Equations and inequations

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
   per week: **per level/semester:** 16s / 6s
  Form of the course: on-site learning

Number of credits: 0
Recommended semester: 2.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: Mgr. Emília Miťková, PhD.
Last change: 02.06.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	

University: Comenius University Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2- prUMAz-103/25	**Course title:** Foundations of algebra and number theory

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0

Recommended semester: 1.

Educational level: N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 16

ABS	NEABS
100,0	0,0

Lecturers: Mgr. Emília Miťková, PhD.

Last change: 02.06.2025

Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-206/25	**Course title:** Foundations of analytical geometry

Educational activities: **Type of activities:** lecture / independent work **Number of hours:**   **per week:** **per level/semester:** 16s / 6s **Form of the course:** on-site learning
Number of credits: 0
Recommended semester: 4.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:

Past grade distribution Total number of evaluated students: 0	

ABS	NEABS
0,0	0,0

Lecturers: Mgr. Jana Havlíčková, PhD.
Last change: 25.04.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-201/25	**Course title:** Foundations of combinatorics

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0

Recommended semester: 3.

Educational level: N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 1

ABS	NEABS
100,0	0,0

Lecturers: doc. PaedDr. Peter Vankúš, PhD.

Last change: 25.04.2025

Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID: FMFI.KDMFI/2- prUMAz-205/25	**Course title:** Foundations of differential and integral calculus

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0

Recommended semester: 4.

Educational level: N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: Mgr. Michaela Vargová, PhD.

Last change: 15.10.2025

Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-202/25	**Course title:** Foundations of function operations

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
   per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0

Recommended semester: 3.

Educational level: N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: Mgr. Michaela Vargová, PhD.

Last change: 15.10.2025

Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-301/25	**Course title:** Foundations of mathematical statistics

Educational activities: **Type of activities:** lecture / independent work **Number of hours:**   **per week:**   **per level/semester:** 16s / 6s **Form of the course:** on-site learning
Number of credits: 0
Recommended semester: 5.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: doc. PaedDr. Peter Vankúš, PhD.
Last change: 25.04.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2- prUMAz-101/25	**Course title:** Foundations of mathematics

Educational activities: **Type of activities:** lecture / independent work **Number of hours:**   **per week:** **per level/semester:** 16s / 6s **Form of the course:** on-site learning
Number of credits: 0
Recommended semester: 1.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 16

ABS	NEABS
100,0	0,0

Lecturers: RNDr. Monika Dillingerová, PhD.
Last change: 26.06.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2- prUMAz-102/25	**Course title:** Foundations of planimetry

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
   per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0
Recommended semester: 1.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 17

ABS	NEABS
100,0	0,0

Lecturers: Mgr. Jana Havlíčková, PhD.
Last change: 30.05.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-204/25	**Course title:** Foundations of probability

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: **per level/semester:** 16s / 6s
  Form of the course: on-site learning

Number of credits: 0
Recommended semester: 4.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 1

ABS	NEABS
100,0	0,0

Lecturers: doc. PaedDr. Peter Vankúš, PhD.
Last change: 25.04.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-104/25	**Course title:** Foundations of stereometry

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0

Recommended semester: 2.

Educational level: N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: Mgr. Jana Havlíčková, PhD.

Last change: 25.04.2025

Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-106/25	**Course title:** Introduction to functions

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: **per level/semester:** 16s / 6s
  Form of the course: on-site learning

Number of credits: 0
Recommended semester: 2.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: Mgr. Michaela Vargová, PhD.
Last change: 15.10.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2-prUMAz-912/25	**Course title:** Mathematics
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 13.10.2025	
Approved by: doc. PaedDr. Mária Slavíčková, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2- prUMAz-311/25	**Course title:** Methods of solving mathematical tasks for lower secondary education

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
   per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0
Recommended semester: 5.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: RNDr. Monika Dillingerová, PhD.
Last change: 28.05.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/2-prUMAz-111/25	**Course title:** Seminar in History of Mathematics (1)

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0

Recommended semester: 1.

Educational level: N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 18

ABS	NEABS
100,0	0,0

Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.

Last change: 17.10.2025

Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/2-prUMAz-112/25	**Course title:** Seminar in History of Mathematics (2)

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
    per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0

Recommended semester: 2.

Educational level: N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 1

ABS	NEABS
100,0	0,0

Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.

Last change: 17.10.2025

Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-203/25	**Course title:** Systems of linear equations

Educational activities:
  Type of activities: lecture / independent work
  Number of hours:
   per week: per level/semester: 16s / 6s
  Form of the course: on-site learning

Number of credits: 0
Recommended semester: 3.
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 0

ABS	NEABS
0,0	0,0

Lecturers: Mgr. Emília Miťková, PhD.
Last change: 02.06.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KDMFI/2-prUMAz-221/25	**Course title:** Teaching Practice

Educational activities: **Type of activities:** practice **Number of hours:**   **per week:**   **per level/semester:** 20s **Form of the course:** on-site learning
Number of credits: 0
Recommended semester: 3., 4..
Educational level: N
Prerequisites:
Course requirements:
Learning outcomes:
Class syllabus:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 1

ABS	NEABS
100,0	0,0

Lecturers:
Last change: 13.10.2025
Approved by: doc. PaedDr. Mária Slavíčková, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2-prUMAz-911/25	**Course title:** Thesis Defence
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 13.10.2025	
Approved by: doc. PaedDr. Mária Slavíčková, PhD.	