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Academic year: 2025/2026		
University: Comenius Univers	ity Bratislava	
Faculty: Faculty of Mathematic	cs, Physics and Informatics	
Course ID: FMFI.KDMFI/2- prUINz-112/23	Course title: Didactics of Informatics	
Educational activities: Type of activities: lecture / in Number of hours: per week: per level/semest Form of the course: on-site le	ter: 20s / 8s	
Number of credits: 0		
Recommended semester: 2.		
Educational level: N		
Prerequisites:		
Course requirements:		
Learning outcomes:		
Class syllabus:		
Recommended literature:		
Languages necessary to comp	lete the course:	
Notes:		
Past grade distribution Total number of evaluated stud	lents: 19	
ABS		NEABS
94,74		5,26
Lecturers: prof. RNDr. Ivan K	alaš, PhD.	
Last change:		
Approved by: doc. RNDr. Zuz	ana Kubincová, PhD.	

STATE EXAM DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:
FMFI.KDMFI/2prUINz-913/23

Number of credits: 0

Educational level: N

State exam syllabus:

Last change: 21.09.2023

Approved by: doc. RNDr. Zuzana Kubincová, PhD.

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID:** Course title: FMFI.KDMFI/2-**Didactics of Programming** prUINz-212/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 24s / 12s Form of the course: on-site learning Number of credits: 0 Recommended semester: 4. **Educational level:** N **Prerequisites:** FMFI.KDMFI/2-prUINz-201/23 - Programming (3) **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** 93.75 6,25

Lecturers: doc. PaedDr. Monika Tomcsányiová, PhD.

Last change: 15.05.2023

Academic year: 2025/2026		
University: Comenius Universi	ty Bratislava	
Faculty: Faculty of Mathematic	es, Physics and Informatics	
Course ID: FMFI.KDMFI/2- prUINx-105/21	Course title: Digital Literacy of Teachers	
Educational activities: Type of activities: lecture / inc Number of hours: per week: per level/semeste Form of the course: on-site le	er: 12s / 6s	
Number of credits: 0		
Recommended semester: 1.		
Educational level: N		
Prerequisites:		
Course requirements:		
Learning outcomes:		
Class syllabus:		
Recommended literature:		
Languages necessary to comp	lete the course:	
Notes:		
Past grade distribution Total number of evaluated students	ents: 71	
ABS	NEABS	
100,0	0,0	
Lecturers: Mgr. Mária Čujdíko	vá, PhD.	
Last change:		
Approved by: doc. RNDr. Zuza	ana Kubincová. PhD.	

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KDMFI/2-Digital Technologies Around Us prUINx-203/21 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 12s / 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: 59 **ABS NEABS** 98.31 1.69 Lecturers: PaedDr. Mgr. Natália Kováčová, PhD., PaedDr. Andrea Hrušecká, PhD., PaedDr. Roman Hrušecký, PhD. Last change:

Academic year: 2025/2026		
University: Comenius Universi	ty Bratislava	
Faculty: Faculty of Mathematic	es, Physics and In	formatics
Course ID: FMFI.KDMFI/2- prUINz-901/23	Course title: Diploma Thesis	Project
Educational activities: Type of activities: lecture Number of hours: per week: per level/semest Form of the course: on-site le		
Number of credits: 0		
Recommended semester: 5.		
Educational level: N		
Prerequisites:		
Course requirements:		
Learning outcomes:		
Class syllabus:		
Recommended literature:		
Languages necessary to comp	lete the course:	
Notes:		
Past grade distribution Total number of evaluated stud	ents: 0	
ABS		NEABS
0,0		0,0
Lecturers: doc. RNDr. Zuzana	Kubincová, PhD.	, RNDr. Monika Dillingerová, PhD.
Last change: 15.05.2023		
Approved by: doc. RNDr. Zuza	ana Kubincová, Pl	nD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University	ty Bratislava
Faculty: Faculty of Mathematic	es, Physics and Informatics
Course ID: FMFI.KDMFI/2- prUINz-912/23	Course title: Informatics
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change:	
Approved by: doc. RNDr. Zuza	ana Kubincová, PhD.

Academic year: 2025/2026			
University: Comenius Univers	ity Bratislava		
Faculty: Faculty of Mathemati	cs, Physics and Inform	natics	
Course ID: FMFI.KDMFI/2- prUINz-106/23	Course title: Informatics (1)		
Educational activities: Type of activities: lecture / in Number of hours: per week: per level/semest Form of the course: on-site le	ter: 20s / 8s		
Number of credits: 0			
Recommended semester: 2.			
Educational level: N			
Prerequisites:			
Course requirements:			
Learning outcomes:			
Class syllabus:			
Recommended literature:			
Languages necessary to comp	olete the course:		
Notes:			
Past grade distribution Total number of evaluated students	lents: 17		
ABS		NEABS	
100,0		0,0	
Lecturers: Mgr. Lucia Budinsk	κά, PhD.		
Last change: 15.05.2023			
Approved by: doc. RNDr. Zuz	ana Kubincová, PhD.		

Academic year: 2025/2026	
University: Comenius University	ry Bratislava
Faculty: Faculty of Mathematic	s, Physics and Informatics
Course ID: FMFI.KDMFI/2- prUINz-206/23	Course title: Informatics (2)
Educational activities: Type of activities: lecture / inc Number of hours: per week: per level/semest Form of the course: on-site le	er: 20s / 8s
Number of credits: 0	
Recommended semester: 3.	
Educational level: N	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to comp	ete the course:
Notes:	
Past grade distribution Total number of evaluated stud	ents: 17
ABS	NEABS
100,0	0,0
Lecturers: RNDr. Michal Wind	zer, PhD., Mgr. Lucia Budinská, PhD.
Last change: 15.05.2023	
Approved by: doc. RNDr. Zuz	na Kubincová, PhD.

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID: FMFI.KDMFI/2prUINz-306/23 Course title: Informatics (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:

Continuous assessment: tests, experiments, individual creative work Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50%

Learning outcomes:

The student will get acquainted with the methods of creating efficient algorithms and will be able to design and use algorithms for selected problems.

Class syllabus:

- Complexity of algorithms, complexity analysis
- Methods of creating efficient algorithms: divide and conquer, greedy, dynamic programming, methods based on state space search

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. Michal Winczer, PhD.

Last change: 15.05.2023

Approved by: doc. RNDr. Zuzana Kubincová, PhD.

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID:** Course title: FMFI.KDMFI/2-Mathematical Fundamentals of Informatics (1) prUINz-103/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 20s / 8s 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: 19 ABS **NEABS** 94.74 5,26 Lecturers: PaedDr. Daniela Bezáková, PhD. **Last change:** 15.05.2023

Strana: 12

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID:** Course title: Mathematical Fundamentals of Informatics (2) FMFI.KDMFI/2prUINz-104/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 20s / 8s Form of the course: on-site learning Number of credits: 0 **Recommended semester: 2. Educational level:** N **Prerequisites:** FMFI.KDMFI/2-prUINz-103/23 - Mathematical Fundamentals of Informatics (1) **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

Strana: 13

Lecturers: PaedDr. Daniela Bezáková, PhD.

Approved by: doc. RNDr. Zuzana Kubincová, PhD.

Last change: 15.05.2023

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KDMFI/2-Programming (1) prUINz-101/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 20s / 8s 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: 19 **ABS NEABS** 94.74 5,26 Lecturers: prof. RNDr. Ivan Kalaš, PhD. **Last change:** 15.05.2023 Approved by: doc. RNDr. Zuzana Kubincová, PhD.

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KDMFI/2-Programming (2) prUINz-102/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 20s / 8s Form of the course: on-site learning Number of credits: 0 **Recommended semester: 2. Educational level:** N **Prerequisites:** FMFI.KDMFI/2-prUINz-101/23 - Programming (1) **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** 94.44 5,56 Lecturers: prof. RNDr. Ivan Kalaš, PhD.

Last change: 15.05.2023

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KDMFI/2-Programming (3) prUINz-201/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 24s / 12s Form of the course: on-site learning Number of credits: 0 **Recommended semester: 3. Educational level:** N **Prerequisites:** FMFI.KDMFI/2-prUINz-102/23 - Programming (2) **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** 94.12 5.88 Lecturers: doc. RNDr. Zuzana Kubincová, PhD. **Last change:** 15.05.2023

Strana: 16

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KDMFI/2-Programming (4) prUINz-202/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 20s / 8s Form of the course: on-site learning Number of credits: 0 Recommended semester: 4. **Educational level:** N **Prerequisites:** FMFI.KDMFI/2-prUINz-201/23 - Programming (3) **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** 93.75 6,25 Lecturers: PaedDr. Andrea Hrušecká, PhD.

Approved by: doc. RNDr. Zuzana Kubincová, PhD.

Last change: 15.05.2023

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID:** Course title: FMFI.KDMFI/2-Propedeutics of Informatics Education (1) prUINz-111/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 16s / 8s 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: 21 ABS **NEABS** 85.71 14.29 Lecturers: doc. Mgr. Karolína Miková, PhD. **Last change:** 15.05.2023

Strana: 18

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID:** Course title: FMFI.KDMFI/2-Propedeutics of Informatics Education (2) prUINz-211/23 **Educational activities:** Type of activities: lecture / independent work **Number of hours:** per week: per level/semester: 20s / 8s 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: 16 ABS **NEABS** 87.5 12,5 Lecturers: doc. Mgr. Karolína Miková, PhD. Last change: Approved by: doc. RNDr. Zuzana Kubincová, PhD.

Academic year: 2025/2026 University: Comenius University Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID:** Course title: FMFI.KDMFI/2-Robotics in Education prUINz-301/23 **Educational activities:** Type of activities: lecture **Number of hours:** per week: per level/semester: 16s Form of the course: on-site learning Number of credits: 0 Recommended semester: 5. **Educational level:** N **Prerequisites: Course requirements:** Priebežné hodnotenie: tvorba aktivít počas seminárov (50%) a metodických materiálov a paralelné testovanie týchto aktivít pre vybrané robotické hračky (50%) Orientačná hodnotiaca stupnica: A 90 %, B 80 %, C 70 %, D 60 %, E 50 % Scale of assessment (preliminary/final): 80/20 **Learning outcomes:** Students will gain personal experience working with educational robots and applications to control them, for different age categories. They are trying to implement activities. They will discuss and look for suitable solutions. They will get acquainted with project teaching and with the constructionist form of teaching and will be able to start the basic principles of these forms in educational activities with a robotic kit. Class syllabus: Students will gain personal experience working with educational robots and applications to control them, for different age categories. They are trying to implement activities. They will discuss and look for suitable solutions. They will get acquainted with project teaching and with the constructionist form of teaching and will be able to start the basic principles of these forms in educational activities with a robotic kit. **Recommended literature:** Languages necessary to complete the course: Notes: Past grade distribution Total number of evaluated students: 0 **ABS NEABS** 0,0 0,0

Strana: 20

Lecturers: doc. Mgr. Karolína Miková, PhD., Mgr. Jakub Krcho

Last change: 15.05.2023

Academic year: 2025/2026	
University: Comenius University	ity Bratislava
Faculty: Faculty of Mathematic	es, Physics and Informatics
Course ID: FMFI.KDMFI/2- prUINz-302/23	Course title: Správa informatickej učebne
Educational activities: Type of activities: lecture / inc Number of hours: per week: per level/semest Form of the course: on-site le	rer: 16s / 4s
Number of credits: 0	
Recommended semester: 5.	
Educational level: N	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to comp	lete the course:
Notes:	
Past grade distribution Total number of evaluated stud	ents: 0
ABS	NEABS
0,0	0,0
Lecturers: Mgr. Miroslav Wag.	ner
Last change:	
Approved by: doc. RNDr. Zuza	ana Kubincová, PhD.

Academic year: 2025/2026		
University: Comenius University	ity Bratislava	
Faculty: Faculty of Mathematic	cs, Physics and Informatics	
Course ID: FMFI.KDMFI/2- prUINz-221/23	Course title: Teaching Practice	
Educational activities: Type of activities: practice Number of hours: per week: per level/semest Form of the course: on-site le		
Number of credits: 0		
Recommended semester: 3., 4	<u></u>	
Educational level: N		
Prerequisites:		
Course requirements:		
Learning outcomes:		
Class syllabus:		
Recommended literature:		
Languages necessary to comp	lete the course:	
Notes:		
Past grade distribution Total number of evaluated stud	lents: 16	
ABS	NEABS	
100,0	0,0	
Lecturers: RNDr. Michal Wind	ezer, PhD.	
Last change:		
Approved by: doc. RNDr. Zuz	ana Kubincová, PhD.	

STATE EXAM DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:
FMFI.KDMFI/2prUINz-911/23

Number of credits: 0

Educational level: N

State exam syllabus:

Last change:

Approved by: doc. RNDr. Zuzana Kubincová, PhD.