Course descriptions

TABLE OF CONTENTS

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-103/19	Didactics of Informatics

Educational activities:
Type of activities: lecture / independent work
Number of hours:
per week: **per level/semester:** 16s / 8s
Form of the course: combined

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: 14

ABS	NEABS
100,0	0,0

Lecturers: prof. RNDr. Ivan Kalaš, PhD.

Last change:

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

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2-pUIN-913/19	**Course title:** Didactics of Informatics
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 03.12.2019	
Approved by: doc. RNDr. Zuzana Kubincová, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-202/21	Didactics of Programming at Primary School

Educational activities:
Type of activities: lecture / independent work
Number of hours:
per week: **per level/semester:** 16s / 8s
Form of the course: combined

Number of credits: 0

Recommended semester: 4.

Educational level: N

Prerequisites:

Antirequisites: FMFI.KDMFI/2-pUINx-202/19

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 14

ABS	NEABS
100,0	0,0

Lecturers: doc. PaedDr. Monika Tomcsányiová, PhD.

Last change: 06.12.2022

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

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-203/21	Didactics of Programming at Secondary School

Educational activities:
Type of activities: lecture / independent work
Number of hours:
per week: **per level/semester:** 16s / 8s
Form of the course: combined

Number of credits: 0

Recommended semester: 4.

Educational level: N

Prerequisites:

Antirequisites: FMFI.KDMFI/2-pUINx-203/19

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 14

ABS	NEABS
100,0	0,0

Lecturers: doc. RNDr. Ľudmila Jašková, PhD.

Last change: 16.06.2023

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

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-901/19	Diploma Thesis Project

Educational activities:
Type of activities: lecture
Number of hours:
per week: **per level/semester:** 8s
Form of the course: combined

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: 11

ABS	NEABS
100,0	0,0

Lecturers: RNDr. Monika Dillingerová, PhD.

Last change: 12.12.2022

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

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-201/19	Principles of Educational Software

Educational activities:
Type of activities: lecture / independent work
Number of hours:
per week: **per level/semester:** 16s / 8s
Form of the course: combined

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: 14

ABS	NEABS
100,0	0,0

Lecturers: doc. PaedDr. Monika Tomcsányiová, PhD.

Last change: 05.12.2019

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

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-101/19	Programming Languages in Education

Educational activities:
Type of activities: lecture / independent work
Number of hours:
per week: **per level/semester:** 16s / 8s
Form of the course: combined

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: 15

ABS	NEABS
100,0	0,0

Lecturers: doc. PaedDr. Monika Tomcsányiová, PhD., Mgr. Lucia Budinská, PhD.

Last change: 05.12.2019

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

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-102/19	Propedeutics of Informatics Education

Educational activities:
Type of activities: lecture / independent work
Number of hours:
per week: **per level/semester:** 16s / 8s
Form of the course: combined

Type, volume, methods and workload of the student - additional information
lecture / independent work

Number of credits: 0

Recommended semester: 3.

Educational level: N

Prerequisites:

Course requirements:
Continuous assessment: active participation in seminars, independent work at home, self-study
Final assessment: didactic output
Indicative evaluation scale: 50% and more - passed. He did not pass with less than 50%.
Scale of assessment (preliminary/final): Weight of interim / final assessment: 60/40

Learning outcomes:
At the end of the semester, the graduate will:
- Familiarity with the content and structure of the SVP for informatics.
- To propose appropriate activities for various IT topics
- Familiar with the cognitive difficulty/adequacy of individual topics in relation to the level of education
- See the potential for the development of psychomotor and affective skills for individual areas of informatics
- Have tried evaluation proposals, work with errors, didactic analysis of the curriculum...

Class syllabus:
- State educational program for Informatics
- Brunner concept
- Working with a errors
- Assessment in computer science classes
- Educational objectives
- 3 domains of the curriculum
- Presentation of preparations

Recommended literature:
Od vzdělávacího programu k vyučovací hodině / Marvin Pasch ... [et al.] ; přeložil Milan Koldinský. Praha : Portál, 2005

Teach like a champion. Doug Lemov. 2014

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 15

ABS	NEABS
93,33	6,67

Lecturers: doc. Mgr. Karolína Miková, PhD.

Last change: 09.12.2022

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

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID:	**Course title:**
FMFI.KDMFI/2-pUINx-211/19	Teaching Practice

Educational activities:
Type of activities: practice
Number of hours:
per week: **per level/semester:** 20s
Form of the course: on-site learning, combined

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: 16

A	ABS	B	C	D	E	FX	NEABS
18,75	75,0	0,0	0,0	0,0	0,0	0,0	6,25

Lecturers: RNDr. Michal Winczer, PhD., PaedDr. Mgr. Natália Kováčová, PhD.

Last change: 16.06.2023

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

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2-pUIN-914/19	**Course title:** Thesis Defence
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 16.06.2023	
Approved by: doc. RNDr. Zuzana Kubincová, PhD.	