

Course descriptions

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COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXXx-901/20	Course title: Diploma Thesis Project
Educational activities: Type of activities: lecture Number of hours: per week: per level/semester: 4s Form of the course: combined	
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: 79	
ABS	NEABS
98,73	1,27
Lecturers: prof. RNDr. Ivan Kalaš, PhD., RNDr. Monika Dillingerová, PhD.	
Last change: 11.12.2022	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

STATE EXAM DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/2- pUXX-951/19	Course title: General Pedagogy
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 29.11.2019	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KAI/2-pUXXx-212/19	Course title: Pedagogic Communication
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 8s / 4s Form of the course: combined	
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: 92	
ABS	NEABS
95,65	4,35
Lecturers: doc. RNDr. Martin Takáč, PhD.	
Last change: 15.06.2022	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXXx-211/19	Course title: Pedagogic Research Methodology
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 8s / 4s Form of the course: combined	
Type, volume, methods and workload of the student - additional information 2 / 2 (lecture / seminar)	
Number of credits: 0	
Recommended semester: 1.	
Educational level: N	
Prerequisites:	
Course requirements: Active participation in lectures, or seminars. Independent work on assignments and homework. Scale of assessment (preliminary/final): Ongoing 50%Final 50%	
Learning outcomes: At the end of the semester, students will receive: Knowledge of the basic stages and methods of empirical research of educational phenomena, basic methodological concepts, stages, methods and principles of quantitative and qualitative pedagogical research. Skills needed to study and analyze scientific studies in pedagogy. The ability to project one's own educational research, survey, or action research by the teacher and, with the support of the trainer, implement an independent research effort. Ability to choose suitable and meaningful research topics, skillfully develop a research project, implement collection and empirically correct analysis of research data. I can interpret, defend and publish research data meaningfully and creatively. The ability to critically evaluate various pedagogical researches, their execution and their results. They can create and appropriately choose the type of research, considering the solution of the problem in the teaching process. They can create, implement and evaluate a test of knowledge and skills, according to the rules of creation and considering educational goals.	
Class syllabus: - Research of educational phenomena. - Stages of empirical educational research. - Procedures and techniques for researching educational phenomena (experiment, observation, scales and scaling, interview, questionnaire, sociometry and measurement of social climate, method of content analysis of school documents).	

- Qualitative research (characteristics, principles, use), collection of qualitative data (tools, conditions, tool creation), processing and interpretation of qualitative data (transcribing, coding, theory creation, use),
- Quantitative research (characteristics, principles, use), collection of quantitative data (tools, conditions, creation of a tool), processing and analysis of quantitative data. (statistical methods, types, application, use),
- Objectivity, reliability and validity of research, designs of qualitative, quantitative and mixed pedagogical research

Recommended literature:

- PROKŠA, M., HELD, L. a kol.: Metodológia pedagogického výskumu a jeho aplikácia v didaktikách prírodných vied. Bratislava : Univerzita Komenského, 2008.
- CHRÁSKA, M.: Metódy pedagogického výskumu. Praha, Grada, 2007.
- GAVORA, P.: Úvod do pedagogického výskumu. Bratislava : UK, 1996, 1999, 2001, 2008.
- GAVORA, P.: Sprievodca metodológiou kvalitatívneho výskumu. Bratislava : UK, 2007.
- MAŇÁK, J. - ŠVEC, V.: Cesty pedagogického výskumu. Brno : Paido, 2004.
- PELIKÁN, J.: Základy empirického výskumu pedagogických javů. Praha : Karolinum, 1998, 2004, 2007.
- ŠVEC, Š. a kol.: Metodológia vied o výchove. Kvantitatívno-scientické a kvalitatívno-humanitné prístupy. Bratislava : Iris, 1996. 2. vyd. Brno : Paido, 2009.
- GAVORA, P. a kol. 2010. Elektronická učebnica metodológie pedagogického výskumu. (Online). Bratislava: Univerzita Komenského v Bratislave, 2010. Dostupné online. ISBN 978-80-223-2951-4.
- STRAUSS, A., CORBINOVÁ, J. 1999. Základy kvalitatívneho výskumu. Postupy a techniky zakotvené teorie. Boskovice: Nakladatelství Albert, 1999, 196s. ISBN 80-85834-60-X.
- ŠEĐOVÁ, K., ŠVAŘÍČEK, R., 2007. Kvalitatívni výzkum v pedagogických vědách. Praha: Portál, 2007, 377 s. ISBN 978-80-7367-313-0.
- ŠVAŘÍČEK, R – ŠEĐOVÁ, K.. a kol.: Kvalitatívni výzkum v pedagogických vědách. Pravidlá hry. Praha : Portál, 2007
- J.W. CRESWELL: Educational Research : Planning, Conducting, and Evaluating Quantitative and Qualitative Research: International Edition. Pearson Education (US) 2011
- J.W. CRESWELL, V.L. Plano CLARK.: Designing and Conducting Mixed Methods Research. SAGE Publications Inc, 2017

Languages necessary to complete the course:

Slovak language

Notes:

Past grade distribution

Total number of evaluated students: 89

ABS	NEABS
97,75	2,25

Lecturers: doc. PaedDr. Peter Vankúš, PhD., doc. Mgr. Karolína Miková, PhD., PaedDr. Darina Dvorská, PhD.

Last change: 09.12.2022

Approved by: prof. RNDr. Ivan Kalaš, PhD.

STATE EXAM DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXX-952/19	Course title: Psychology
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 13.01.2020	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXXx-111/19	Course title: Psychology for Teachers (1)
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: 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: 132	
ABS	NEABS
99,24	0,76
Lecturers: PhDr. ThLic. Peter Ikhardt, PhD.	
Last change: 09.07.2022	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXXx-113/19	Course title: Psychology for Teachers (2)
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: 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: 119	
ABS	NEABS
98,32	1,68
Lecturers: PhDr. Gabriela Herényiová, CSc., PhDr. ThLic. Peter Ikhardt, PhD.	
Last change: 09.07.2022	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXXx-114/19	Course title: School Management
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: 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: 122	
ABS	NEABS
91,8	8,2
Lecturers: Mgr. Barbora Jaslovská, PhD., Mgr. Adriana Poliaková, PhD.	
Last change: 10.01.2020	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

COURSE DESCRIPTION

Academic year: 2026/2027							
University: Comenius University Bratislava							
Faculty: Faculty of Mathematics, Physics and Informatics							
Course ID: FMFLKDMFI/2- pUXXx-110/20				Course title: Teachers' Training by Classroom Observation			
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: 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: 67							
A	ABS	B	C	D	E	FX	NEABS
19,4	77,61	0,0	0,0	0,0	0,0	1,49	1,49
Lecturers: PaedDr. Peter Horváth, PhD., Mgr. Michaela Vargová, PhD., RNDr. Michal Winczer, PhD., Mgr. Emília Miřková, PhD., PaedDr. Mgr. Natálie Kováčová, PhD.							
Last change: 16.06.2023							
Approved by: prof. RNDr. Ivan Kalař, PhD.							

COURSE DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXXx-112/19	Course title: Theory of Teaching
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: 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: 127	
ABS	NEABS
99,21	0,79
Lecturers: Mgr. Martin Droščák, PhD., doc. Mgr. Karolína Miková, PhD.	
Last change: 01.09.2019	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	

STATE EXAM DESCRIPTION

Academic year: 2026/2027	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- pUXX-911/20	Course title: Thesis Defence
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 16.06.2023	
Approved by: prof. RNDr. Ivan Kalaš, PhD.	